

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050115\  
 Data File : BF078883.D  
 Acq On : 1 May 2015 10:24  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 01 14:16:15 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 30 19:07:47 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.36  | 152  | 71115    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.94  | 136  | 308863   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 11.12 | 164  | 155076   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 12.96 | 188  | 306740   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 16.29 | 240  | 335186   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 18.13 | 264  | 348482   | 20.00 | ng    | 0.01     |

|                             |       |     |         |       |    |       |
|-----------------------------|-------|-----|---------|-------|----|-------|
| System Monitoring Compounds |       |     |         |       |    |       |
| 5) 2-Fluorophenol           | 5.66  | 112 | 321491  | 77.82 | ng | -0.01 |
| 7) Phenol-d6                | 6.90  | 99  | 430723  | 78.87 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 8.04  | 82  | 411539  | 76.58 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 12.09 | 330 | 137066  | 81.70 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 10.28 | 172 | 859489  | 77.22 | ng | -0.01 |
| 78) Terphenyl-d14           | 14.96 | 244 | 1062383 | 75.88 | ng | -0.01 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.32  | 88  | 65732  | 36.59 | ng | # 18   |
| 3) Pyridine                    | 3.08  | 79  | 191885 | 36.50 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 2.99  | 42  | 91277  | 40.53 | ng | 94     |
| 6) Aniline                     | 6.95  | 93  | 311702 | 40.44 | ng | 99     |
| 8) 2-Chlorophenol              | 7.08  | 128 | 182829 | 39.02 | ng | 95     |
| 9) Benzaldehyde                | 6.81  | 77  | 147447 | 40.08 | ng | 98     |
| 10) Phenol                     | 6.92  | 94  | 259181 | 40.91 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.05  | 93  | 177719 | 38.27 | ng | 87     |
| 12) 1,3-Dichlorobenzene        | 7.28  | 146 | 200769 | 38.12 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.38  | 146 | 208585 | 38.48 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.56  | 146 | 196472 | 38.94 | ng | 98     |
| 15) Benzyl Alcohol             | 7.53  | 79  | 165472 | 40.82 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.71  | 45  | 273317 | 38.47 | ng | 98     |
| 17) 2-Methylphenol             | 7.68  | 107 | 155256 | 41.17 | ng | 96     |
| 18) Hexachloroethane           | 7.99  | 117 | 72872  | 39.03 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.87  | 70  | 154266 | 41.82 | ng | # 87   |
| 20) 3+4-Methylphenols          | 7.86  | 107 | 210302 | 41.86 | ng | 91     |
| 22) Acetophenone               | 7.86  | 105 | 259577 | 37.20 | ng | # 94   |
| 24) Nitrobenzene               | 8.07  | 77  | 195209 | 36.65 | ng | 98     |
| 25) Isophorone                 | 8.38  | 82  | 403968 | 40.55 | ng | # 92   |
| 26) 2-Nitrophenol              | 8.47  | 139 | 94015  | 42.64 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 8.52  | 122 | 182142 | 41.28 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 8.65  | 93  | 243957 | 39.72 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.76  | 162 | 154016 | 39.26 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 8.87  | 180 | 161758 | 37.53 | ng | 96     |
| 31) Naphthalene                | 8.96  | 128 | 551666 | 37.48 | ng | 100    |
| 32) Benzoic acid               | 8.62  | 122 | 108023 | 40.26 | ng | 96     |
| 33) 4-Chloroaniline            | 9.04  | 127 | 244262 | 39.22 | ng | # 91   |
| 34) Hexachlorobutadiene        | 9.12  | 225 | 94050  | 37.90 | ng | 98     |
| 35) Caprolactam                | 9.46  | 113 | 56895  | 44.85 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 9.63  | 107 | 183374 | 44.50 | ng | 95     |
| 37) 2-Methylnaphthalene        | 9.83  | 142 | 393000 | 38.54 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.03 | 216 | 161765 | 37.04 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 10.01 | 237 | 83240  | 37.90 | ng | 98     |

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 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

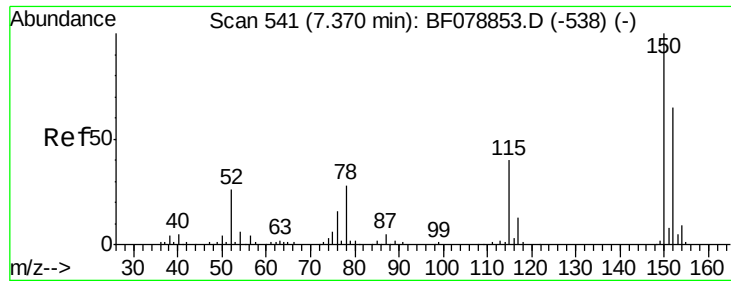
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 01 14:16:15 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 30 19:07:47 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 10.17 | 196  | 120254   | 40.05 | nq    | 95       |
| 43) 2,4,5-Trichlorophenol      | 10.22 | 196  | 123038   | 40.53 | nq    | # 89     |
| 45) 1,1'-Biphenyl              | 10.40 | 154  | 457805   | 37.13 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 10.42 | 162  | 357460   | 37.17 | nq    | 99       |
| 47) 2-Nitroaniline             | 10.55 | 65   | 107597   | 38.62 | nq    | 95       |
| 48) Acenaphthylene             | 10.94 | 152  | 616620   | 39.05 | nq    | 100      |
| 49) Dimethylphthalate          | 10.79 | 163  | 430309   | 37.81 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 10.86 | 165  | 86289    | 38.42 | nq    | # 85     |
| 51) Acenaphthene               | 11.15 | 154  | 365133   | 38.78 | nq    | 98       |
| 52) 3-Nitroaniline             | 11.06 | 138  | 115170   | 41.05 | nq    | # 88     |
| 53) 2,4-Dinitrophenol          | 11.20 | 184  | 26979    | 42.20 | nq    | # 75     |
| 54) Dibenzofuran               | 11.37 | 168  | 525481   | 38.64 | nq    | 98       |
| 55) 4-Nitrophenol              | 11.27 | 139  | 92460    | 41.63 | nq    | 90       |
| 56) 2,4-Dinitrotoluene         | 11.36 | 165  | 124893   | 42.06 | nq    | # 68     |
| 57) Fluorene                   | 11.79 | 166  | 430395   | 38.56 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.52 | 232  | 103717   | 41.81 | nq    | # 100    |
| 59) Diethylphthalate           | 11.67 | 149  | 447752   | 39.71 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 11.81 | 204  | 190881   | 38.55 | nq    | 99       |
| 61) 4-Nitroaniline             | 11.82 | 138  | 112506   | 40.08 | nq    | 95       |
| 62) Azobenzene                 | 12.00 | 77   | 436206   | 39.26 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 11.86 | 198  | 50115    | 41.49 | nq    | # 61     |
| 65) n-Nitrosodiphenylamine     | 11.95 | 169  | 389748   | 38.15 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 12.41 | 248  | 120834   | 37.79 | nq    | 98       |
| 67) Hexachlorobenzene          | 12.47 | 284  | 136261   | 37.29 | nq    | 97       |
| 68) Atrazine                   | 12.62 | 200  | 114960   | 38.70 | nq    | 99       |
| 69) Pentachlorophenol          | 12.72 | 266  | 77572    | 40.02 | nq    | 97       |
| 70) Phenanthrene               | 12.99 | 178  | 659501   | 38.43 | nq    | 99       |
| 71) Anthracene                 | 13.05 | 178  | 634712   | 37.70 | nq    | 99       |
| 72) Carbazole                  | 13.26 | 167  | 609793   | 38.00 | nq    | 100      |
| 73) Di-n-butylphthalate        | 13.70 | 149  | 772406   | 40.14 | nq    | 99       |
| 74) Fluoranthene               | 14.47 | 202  | 700827   | 39.19 | nq    | 97       |
| 76) Benzidine                  | 14.65 | 184  | 322294   | 35.68 | nq    | 97       |
| 77) Pyrene                     | 14.75 | 202  | 746272   | 38.64 | nq    | 99       |
| 79) Butylbenzylphthalate       | 15.58 | 149  | 355759   | 42.14 | nq    | 94       |
| 80) Benzo(a)anthracene         | 16.27 | 228  | 705564   | 38.44 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 16.25 | 252  | 274663   | 42.01 | nq    | 98       |
| 82) Chrysene                   | 16.32 | 228  | 665907   | 37.72 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 16.33 | 149  | 532851   | 41.67 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 17.18 | 149  | 948155   | 42.10 | nq    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 19.65 | 276  | 910519   | 40.48 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 17.66 | 252  | 722010   | 37.85 | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 17.69 | 252  | 705589   | 38.21 | nq    | # 95     |
| 89) Benzo(a)pyrene             | 18.06 | 252  | 684146   | 38.95 | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 19.68 | 278  | 723834   | 38.78 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 20.10 | 276  | 732042   | 39.13 | nq    | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed



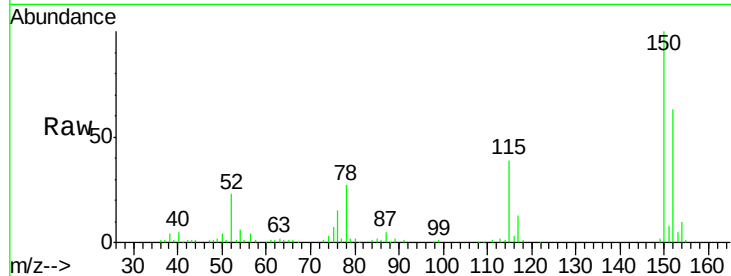


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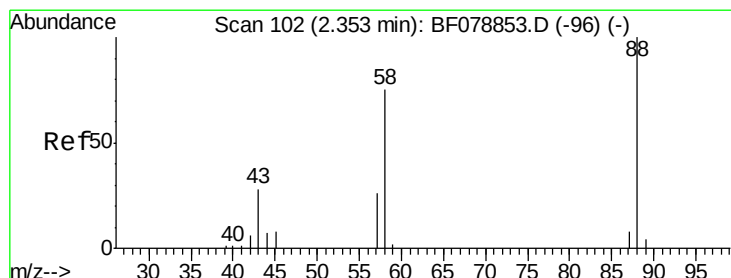
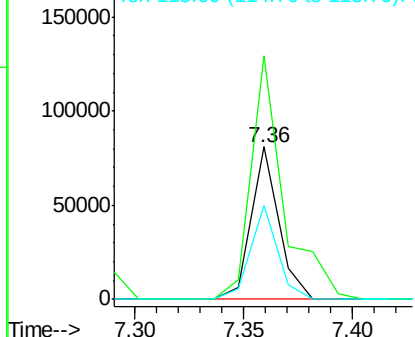
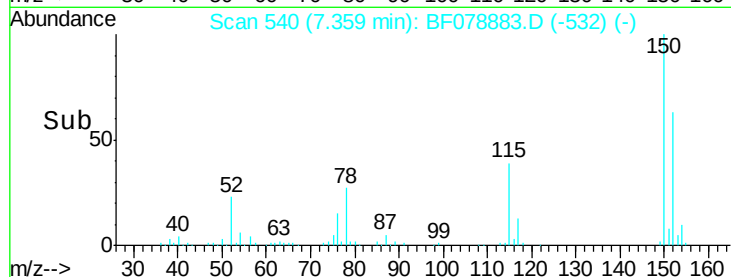
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.36 min Scan# 540  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 71115  
Ion Ratio Lower Upper  
152 100  
150 159.9 122.0 183.0  
115 62.0 46.3 69.5



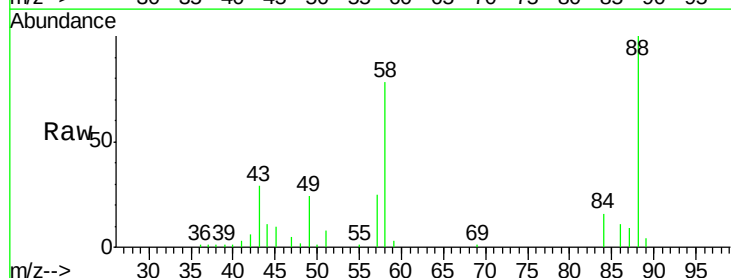
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



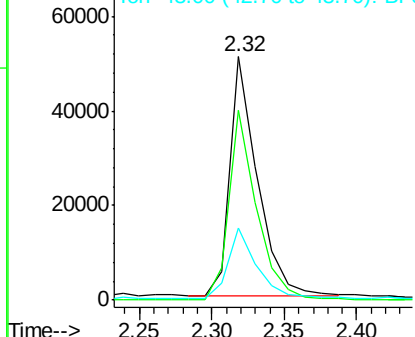
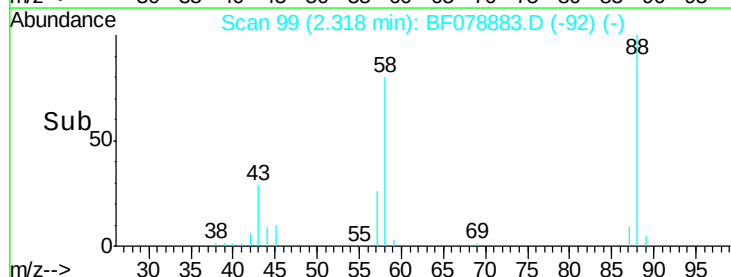
#2

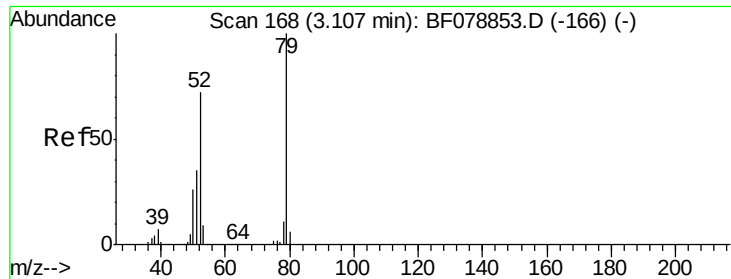
1,4-Dioxane  
Concen: 36.59 ng  
RT: 2.32 min Scan# 99  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion: 88 Resp: 65732  
Ion Ratio Lower Upper  
88 100  
58 81.7 0.0 0.0#  
43 31.0 3.3 4.9#



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 36.50 ng

RT: 3.08 min Scan# 166

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Instrument :

BNA\_F

ClientSampleId :

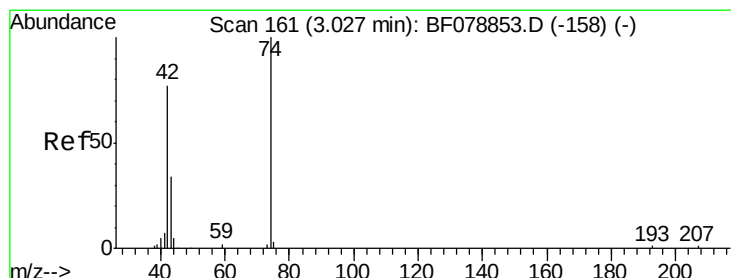
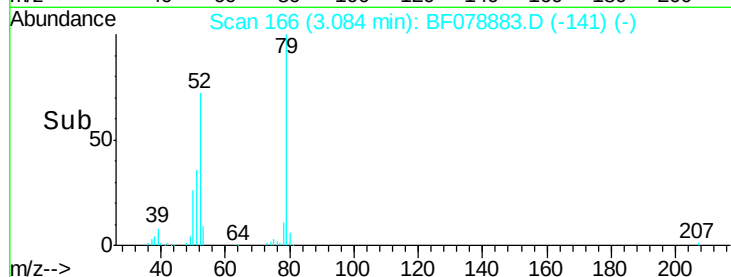
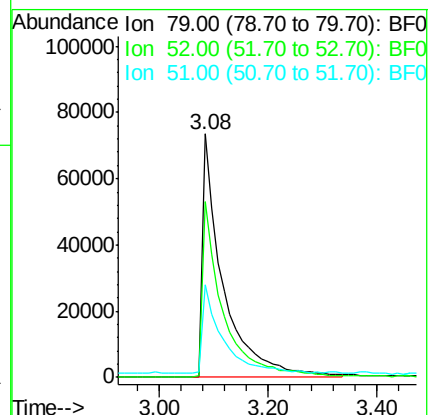
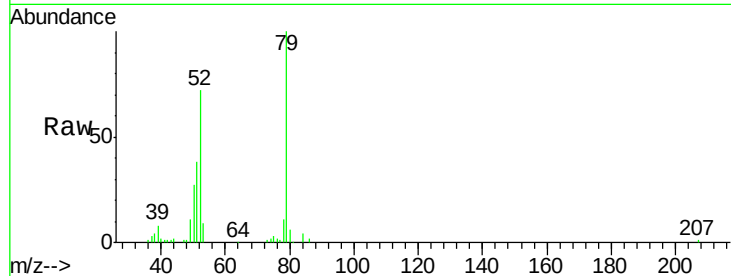
Tot Ion: 79 Resp: 191885

Ion Ratio Lower Upper

79 100

52 71.9 57.2 85.8

51 38.2 28.9 43.3



#4

n-Nitrosodimethylamine

Concen: 40.53 ng

RT: 2.99 min Scan# 158

Delta R.T. -0.03 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

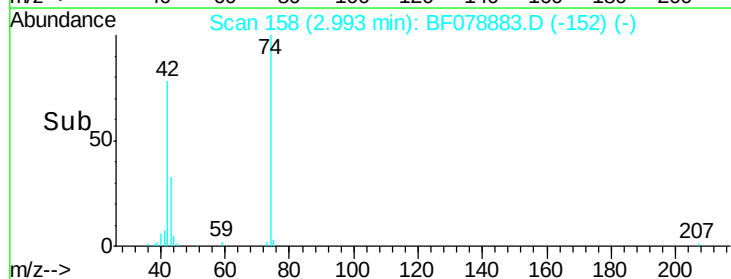
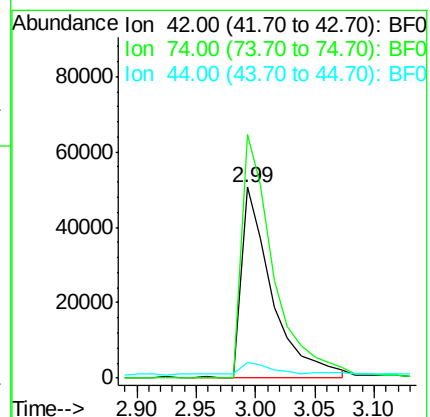
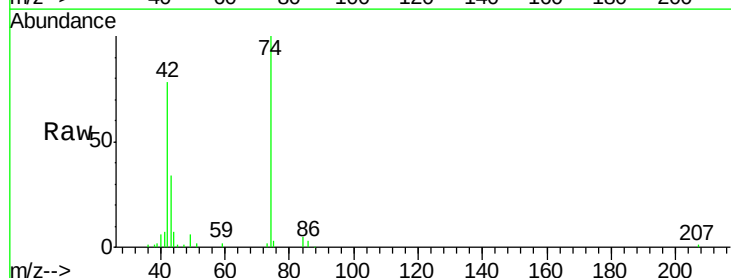
Tgt Ion: 42 Resp: 91277

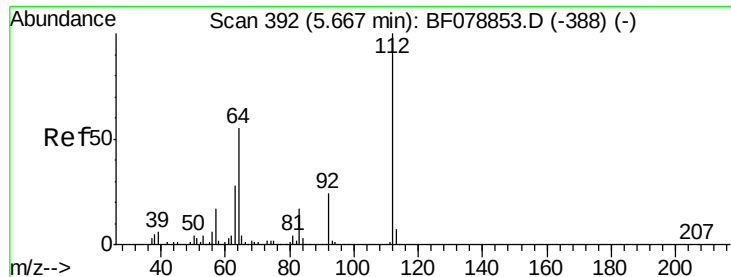
Ion Ratio Lower Upper

42 100

74 127.5 96.5 144.7

44 8.4 6.1 9.1





#5

2-Fluorophenol

Concen: 77.82 ng

RT: 5.66 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Instrument :

BNA\_F

ClientSampleId :

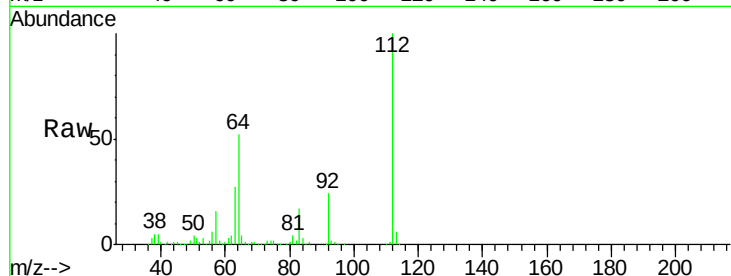
Tot Ion:112 Resp: 321491

Ion Ratio Lower Upper

112 100

64 51.9 53.5 80.3#

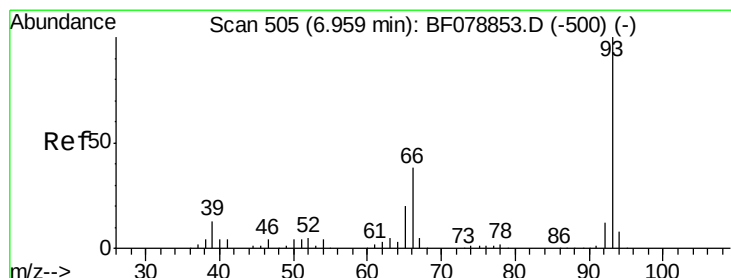
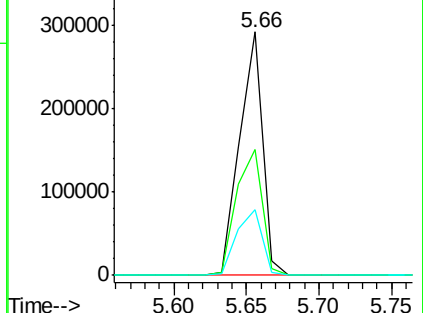
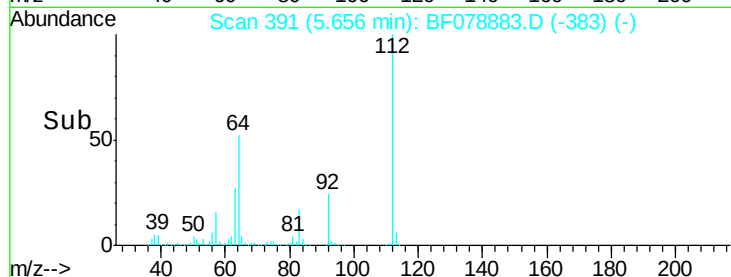
63 26.9 27.5 41.3#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 40.44 ng

RT: 6.95 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

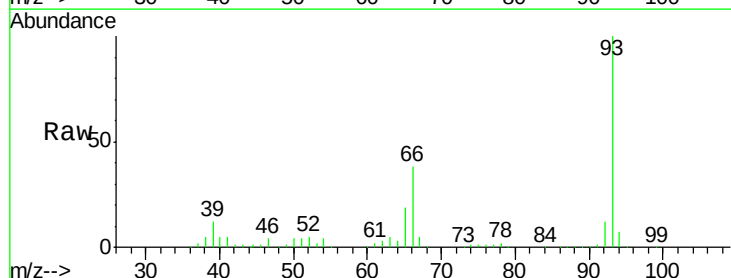
Tgt Ion: 93 Resp: 311702

Ion Ratio Lower Upper

93 100

66 38.0 29.7 44.5

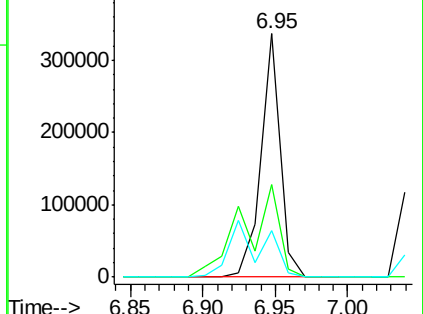
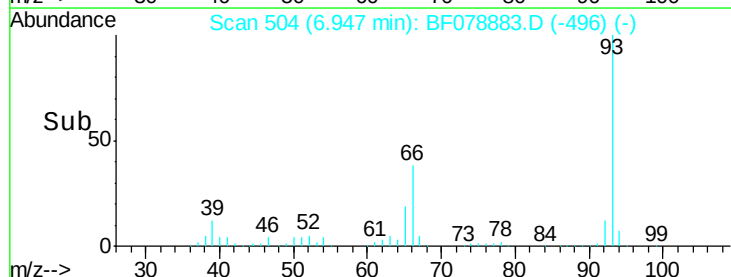
65 18.9 14.6 22.0

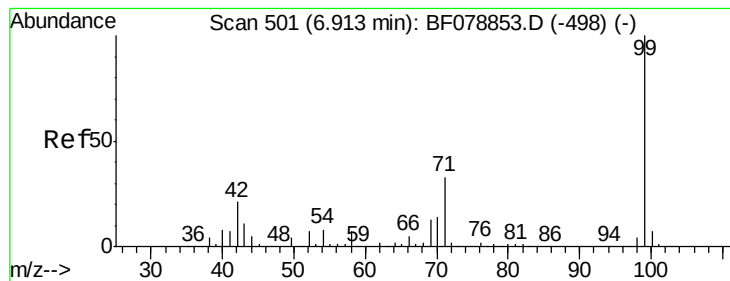


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 78.87 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.02 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

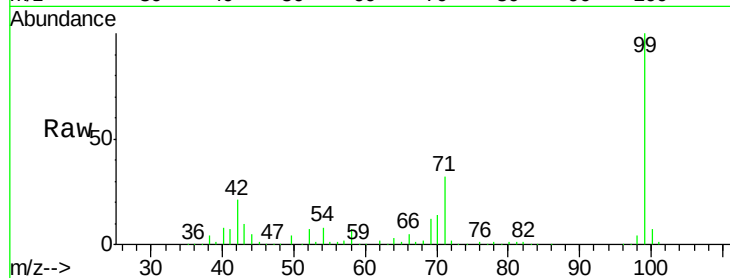
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 430723

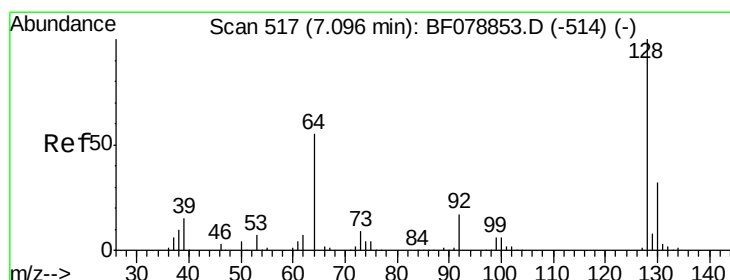
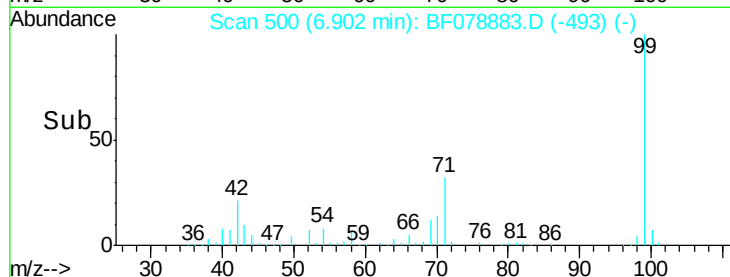
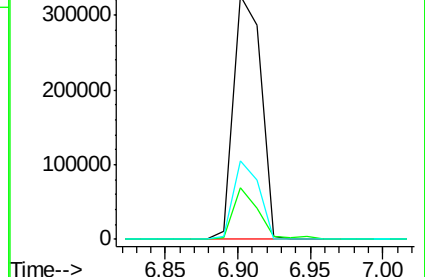
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.4  | 12.8  | 19.2# |
| 71  | 32.4  | 23.4  | 35.2  |



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.02 ng

RT: 7.08 min Scan# 516

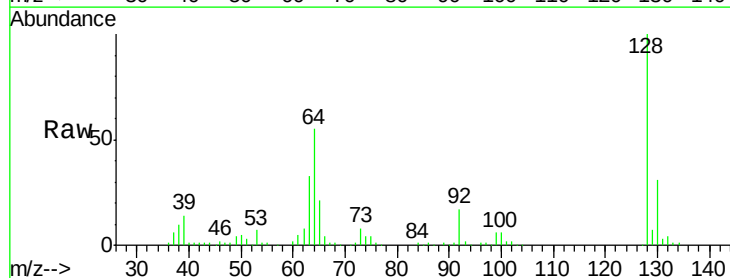
Delta R.T. -0.02 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Tgt Ion: 128 Resp: 182829

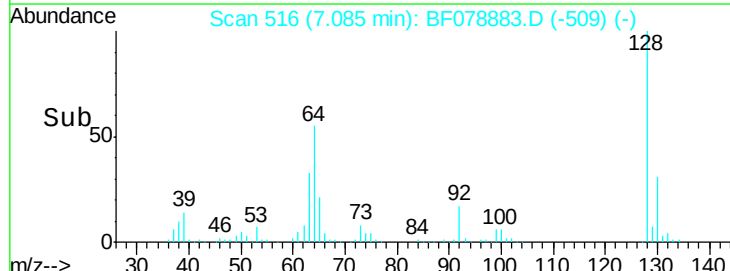
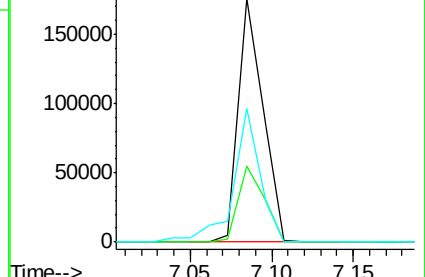
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 31.4  | 12.1  | 52.1  |
| 64  | 54.7  | 29.6  | 69.6  |

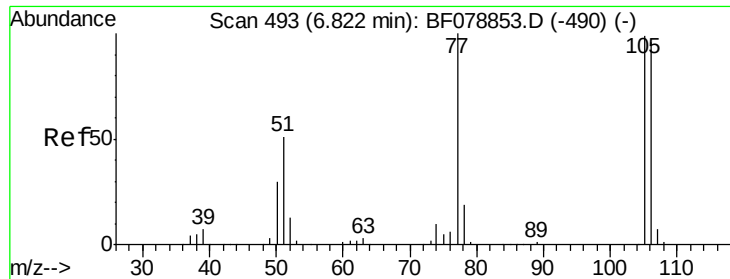


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

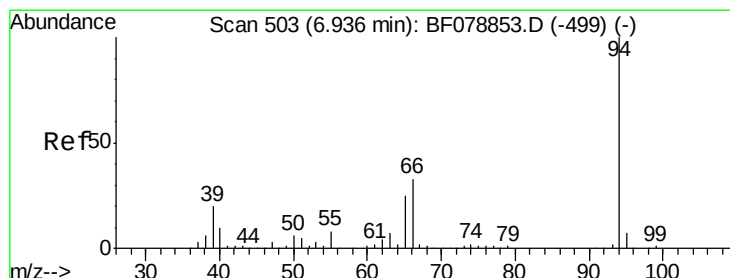
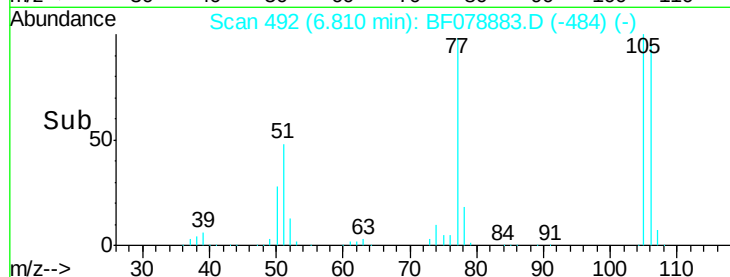
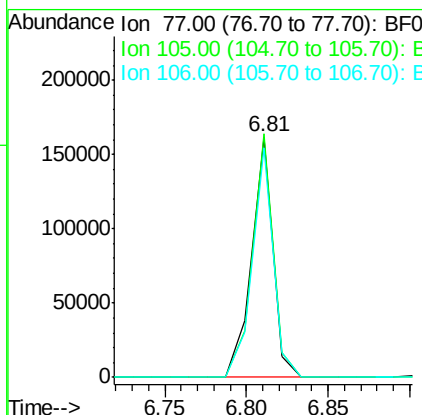
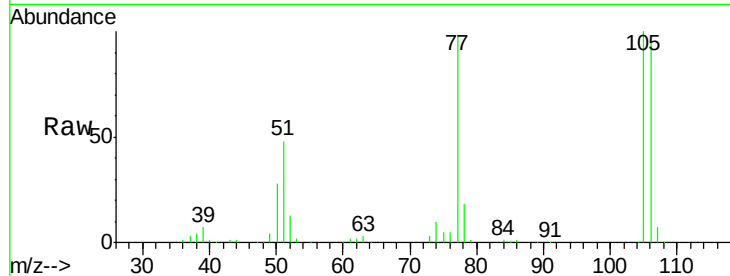




#9  
Benzaldehyde  
Concen: 40.08 ng  
RT: 6.81 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

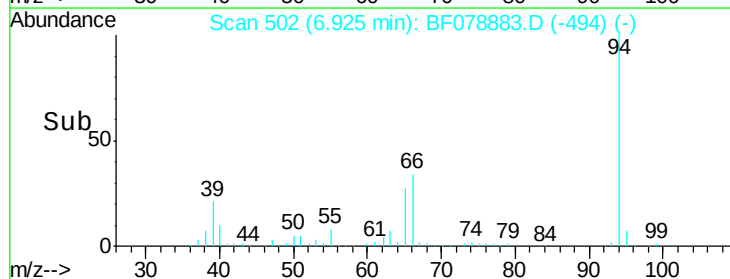
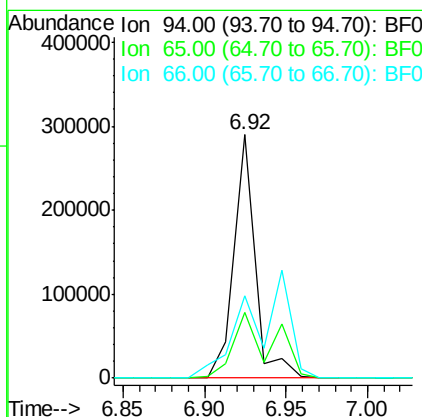
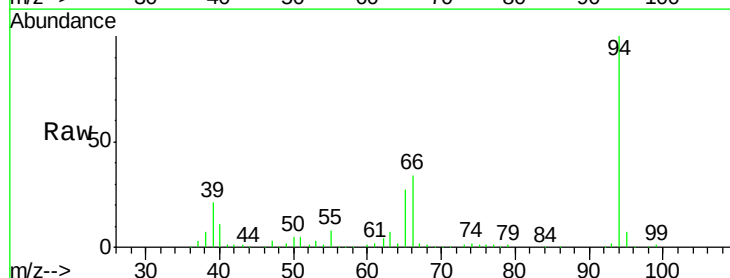
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 77 Resp: 147447  
Ion Ratio Lower Upper  
77 100  
105 101.5 81.7 121.7  
106 96.0 79.0 119.0

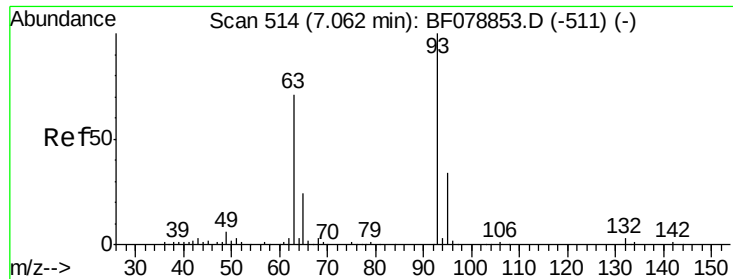


#10  
Phenol  
Concen: 40.91 ng  
RT: 6.92 min Scan# 502  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion: 94 Resp: 259181  
Ion Ratio Lower Upper  
94 100  
65 26.9 8.5 48.5  
66 33.6 16.0 56.0



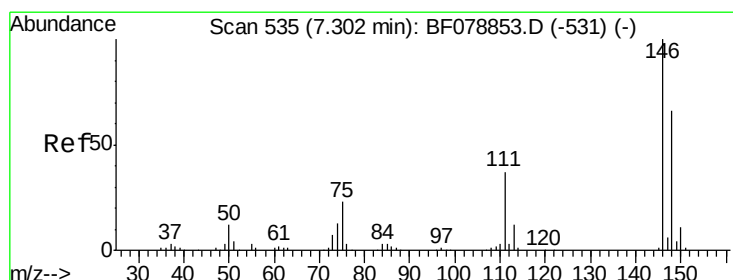
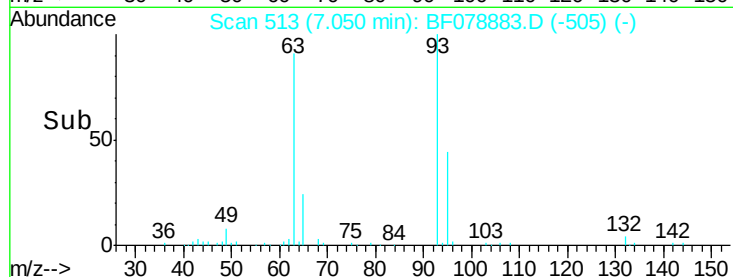
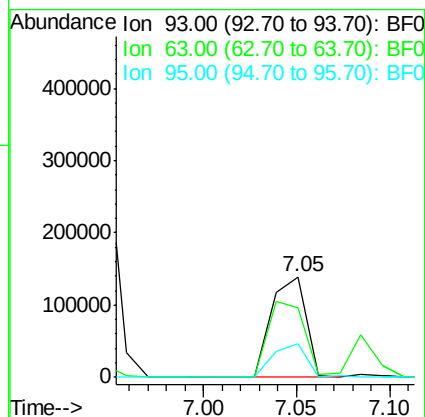
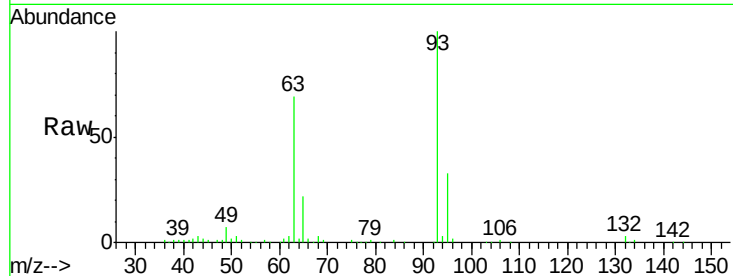




#11  
bis(2-Chloroethyl)ether  
Concen: 38.27 ng  
RT: 7.05 min Scan# 513  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

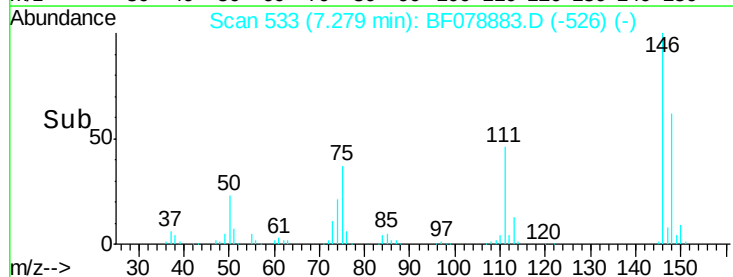
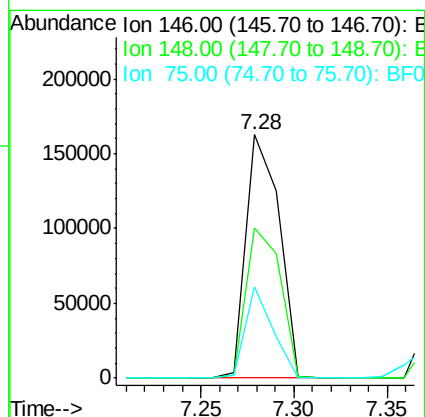
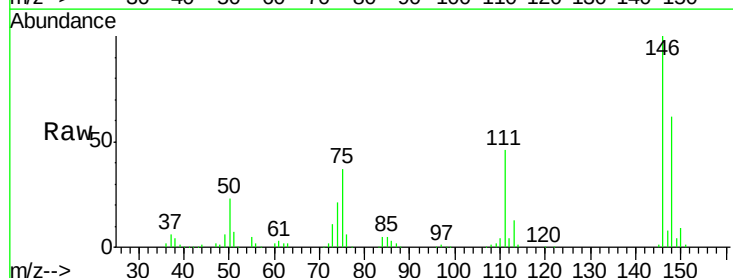
Instrument :  
BNA\_F  
ClientSampleId :

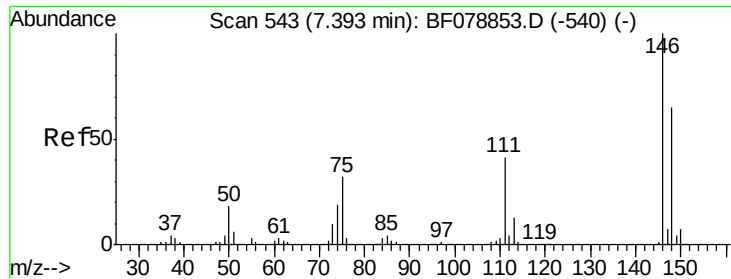
Tot Ion: 93 Resp: 177719  
Ion Ratio Lower Upper  
93 100  
63 69.3 64.8 104.8  
95 33.1 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 38.12 ng  
RT: 7.28 min Scan# 533  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion: 146 Resp: 200769  
Ion Ratio Lower Upper  
146 100  
148 61.7 50.2 75.2  
75 37.3 29.2 43.8

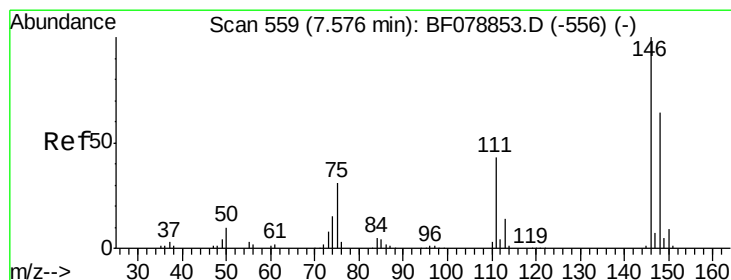
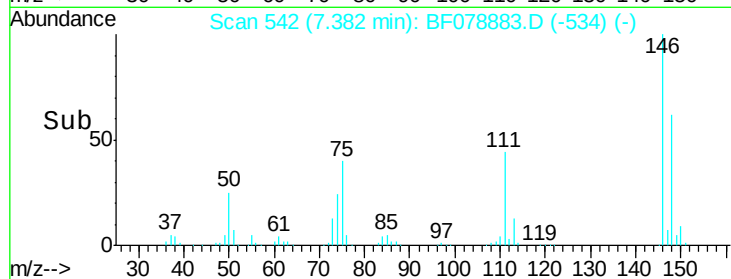
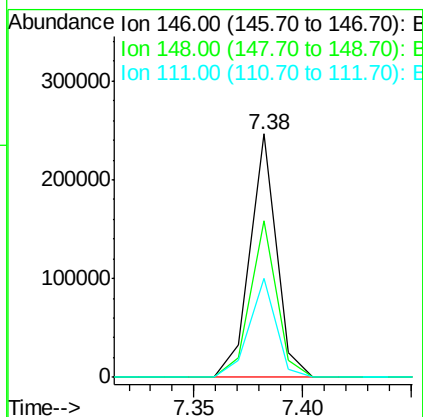
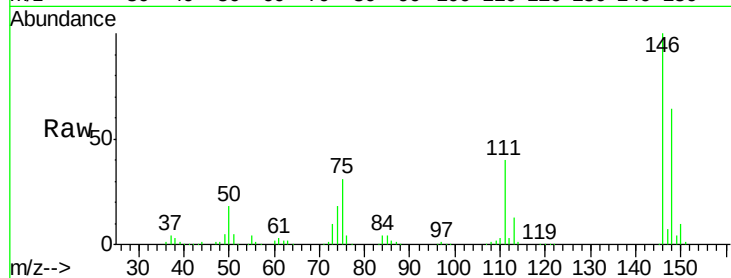




#13  
 1,4-Dichlorobenzene  
 Concen: 38.48 ng  
 RT: 7.38 min Scan# 542  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

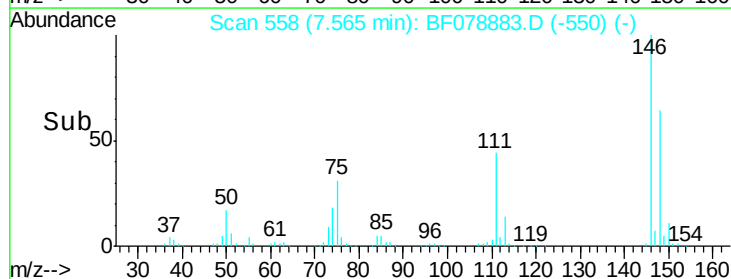
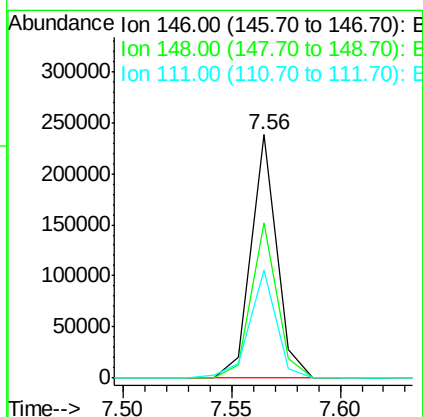
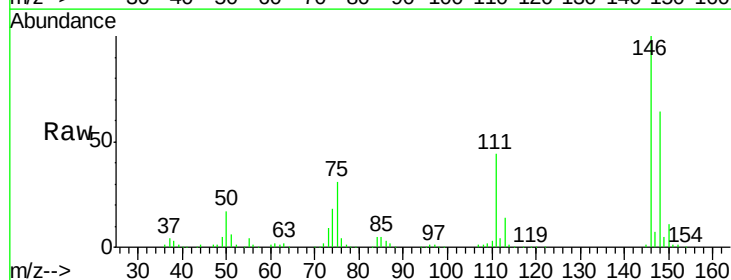
Instrument :  
 BNA\_F  
 ClientSampleId :

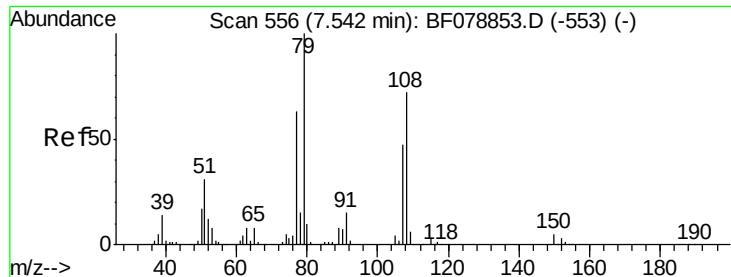
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 52.8  | 79.2  |
| 111     | 40.5  | 31.7  | 47.5  |



#14  
 1,2-Dichlorobenzene  
 Concen: 38.94 ng  
 RT: 7.56 min Scan# 558  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 51.2  | 76.8  |
| 111     | 44.2  | 33.3  | 49.9  |





#15

Benzyl Alcohol

Concen: 40.82 ng

RT: 7.53 min Scan# 555

Delta R.T. -0.02 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Instrument :

BNA\_F

ClientSampled :

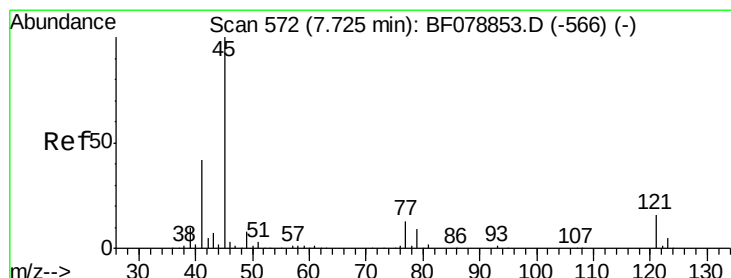
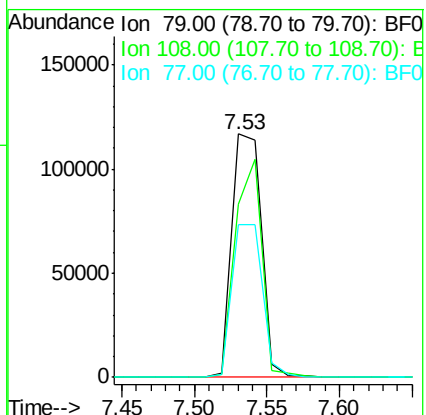
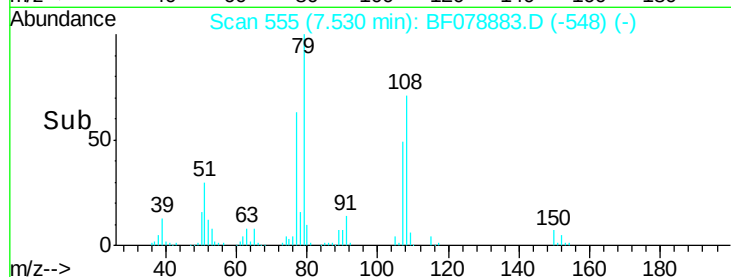
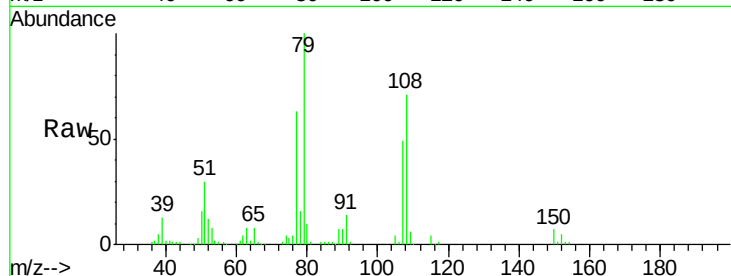
Tot Ion: 79 Resp: 165472

Ion Ratio Lower Upper

79 100

108 70.9 62.5 93.7

77 62.7 52.2 78.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.47 ng

RT: 7.71 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

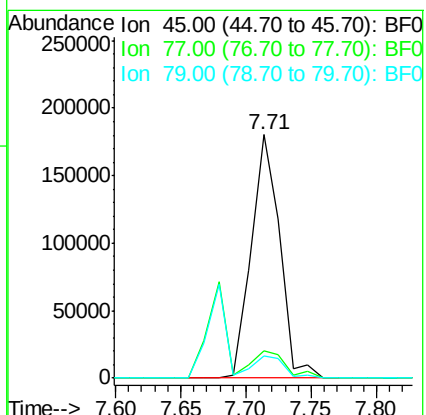
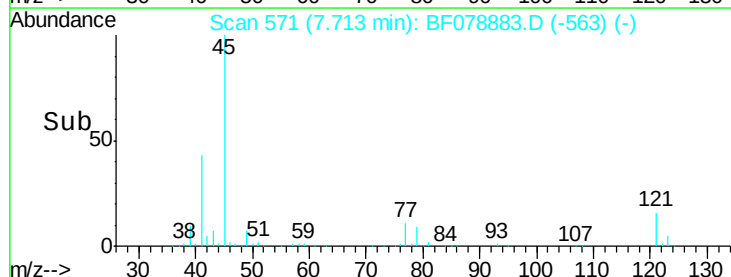
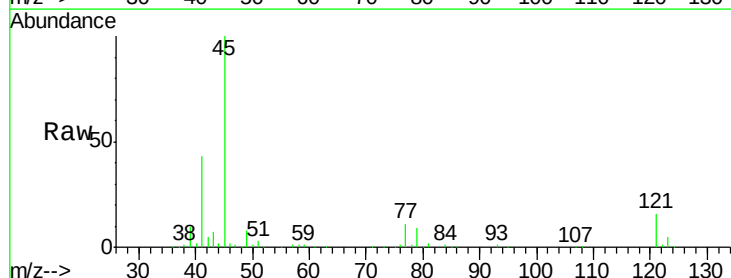
Tgt Ion: 45 Resp: 273317

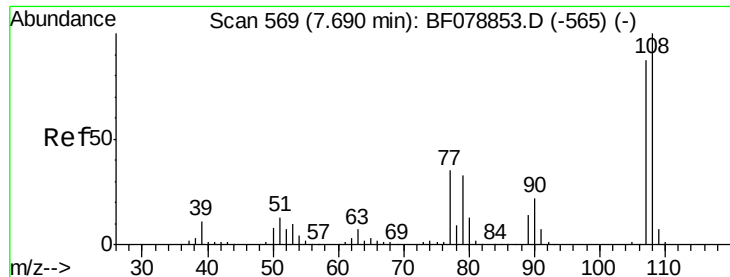
Ion Ratio Lower Upper

45 100

77 11.4 0.0 32.3

79 9.3 0.0 30.1

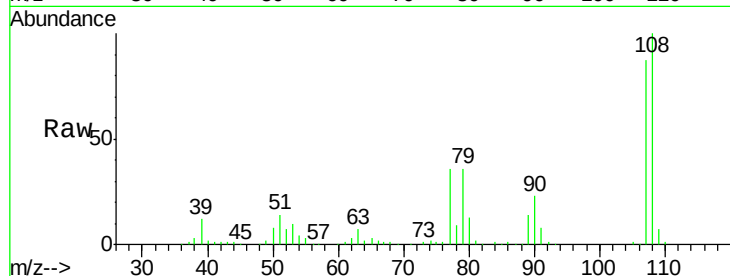




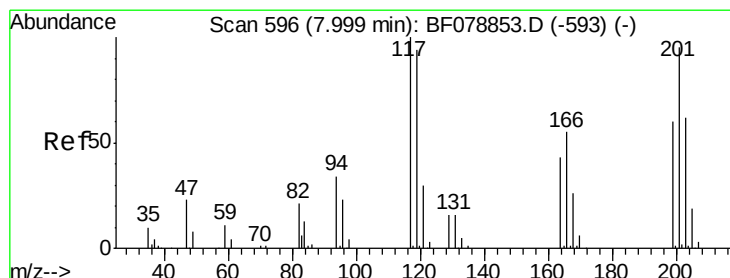
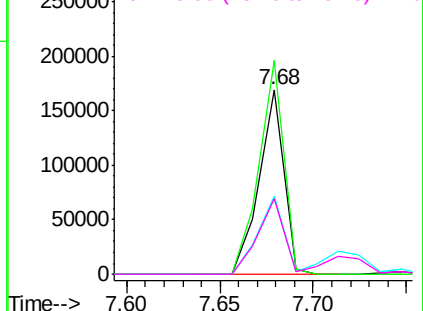
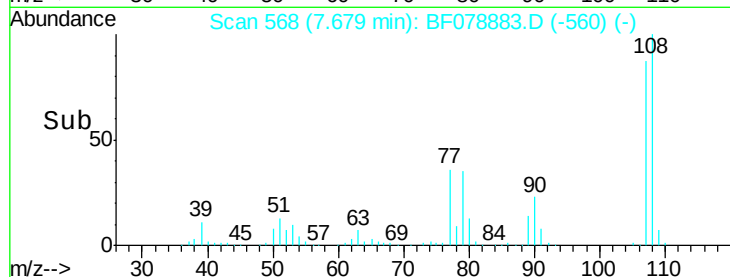
#17  
2-Methylphenol  
Concen: 41.17 ng  
RT: 7.68 min Scan# 568  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 155256  
Ion Ratio Lower Upper  
107 100  
108 115.6 94.9 142.3  
77 42.0 36.2 54.4  
79 41.1 35.2 52.8

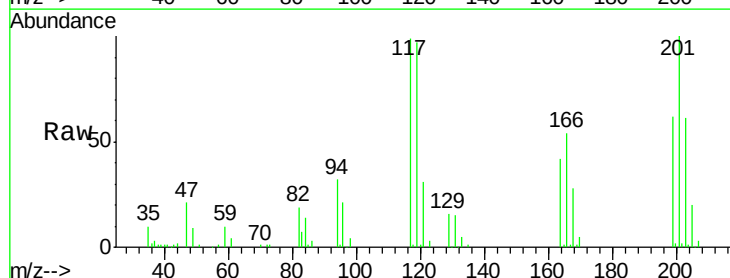


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

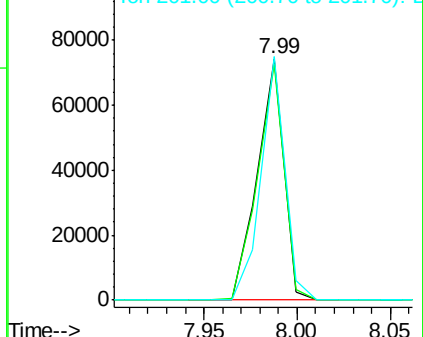
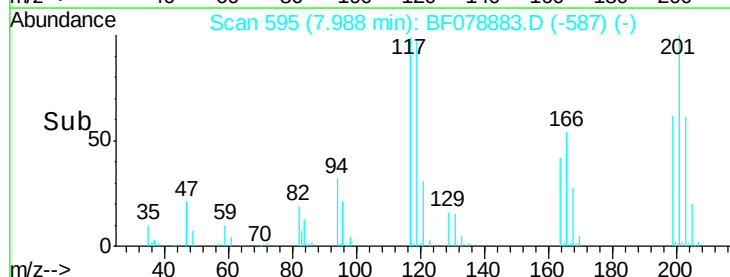


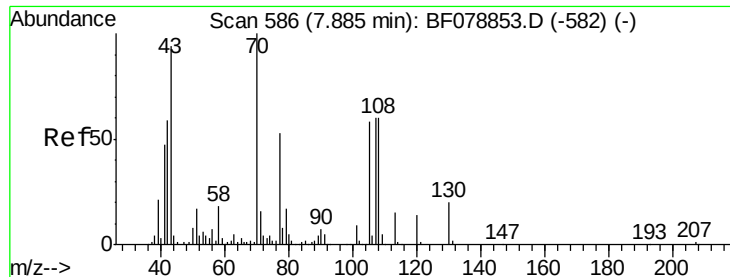
#18  
Hexachloroethane  
Concen: 39.03 ng  
RT: 7.99 min Scan# 595  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion:117 Resp: 72872  
Ion Ratio Lower Upper  
117 100  
119 97.8 75.4 113.0  
201 100.8 83.2 124.8



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

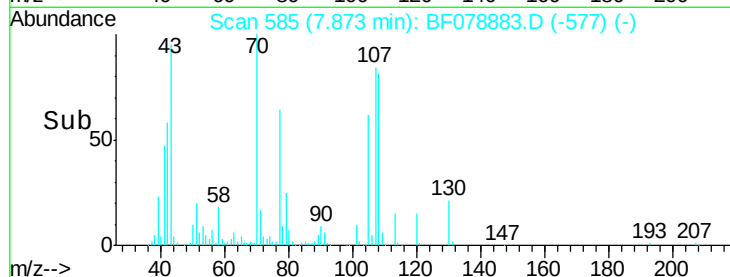
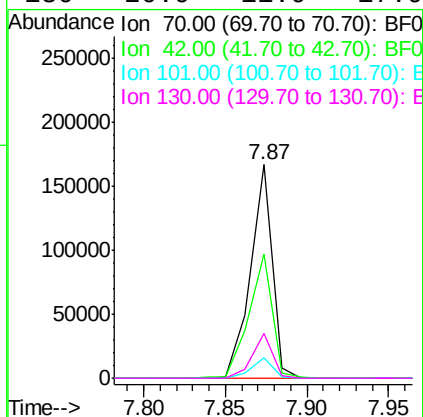
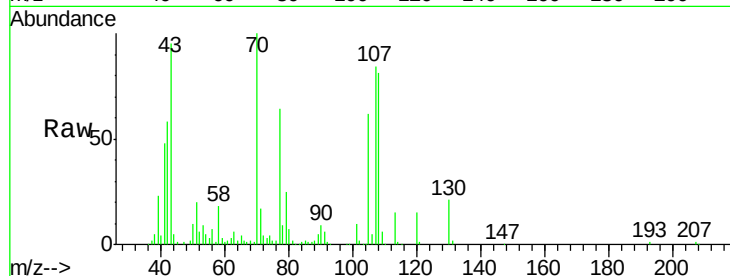




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.82 ng  
RT: 7.87 min Scan# 585  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

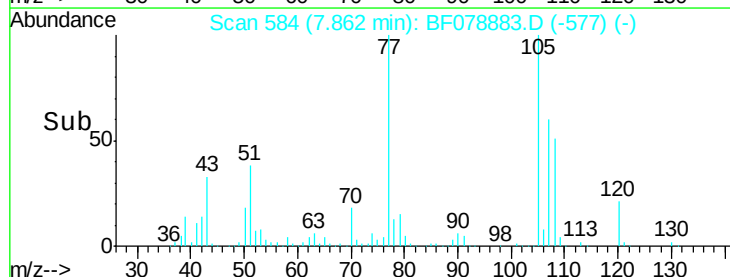
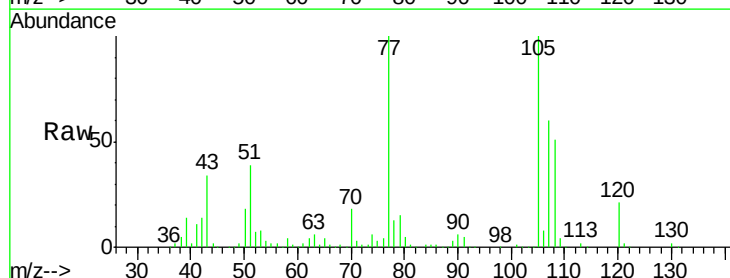
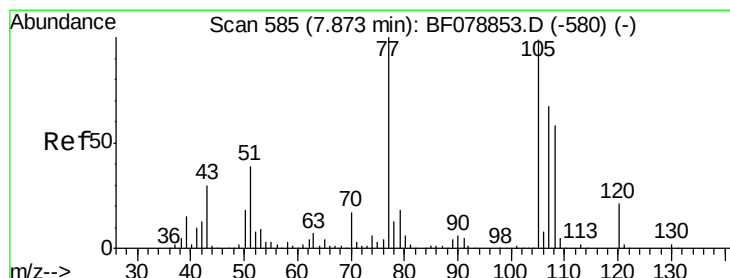
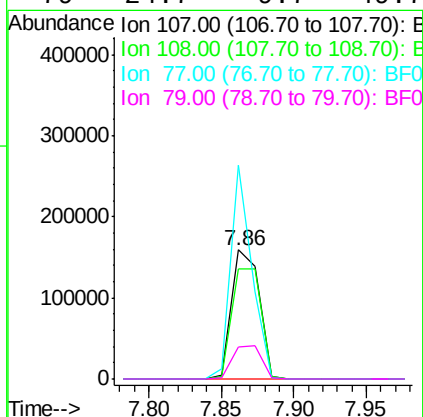
Instrument :  
BNA\_F  
ClientSampleId :

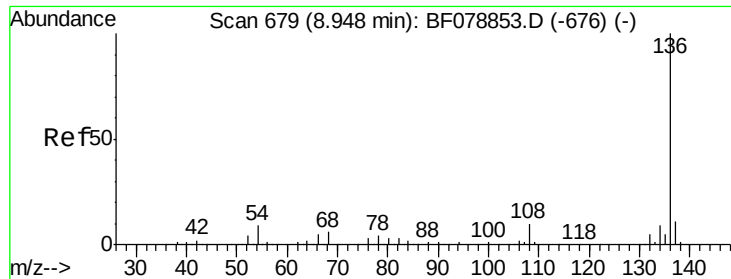
Tot Ion: 70 Resp: 154266  
Ion Ratio Lower Upper  
70 100  
42 57.9 55.4 83.0  
101 9.6 6.6 10.0  
130 20.9 11.9 17.9#



#20  
3+4-Methylphenols  
Concen: 41.86 ng  
RT: 7.86 min Scan# 584  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion:107 Resp: 210302  
Ion Ratio Lower Upper  
107 100  
108 85.6 76.9 116.9  
77 166.0 136.8 176.8  
79 24.7 9.7 49.7

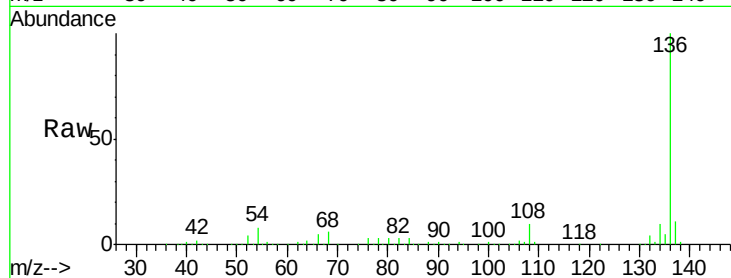




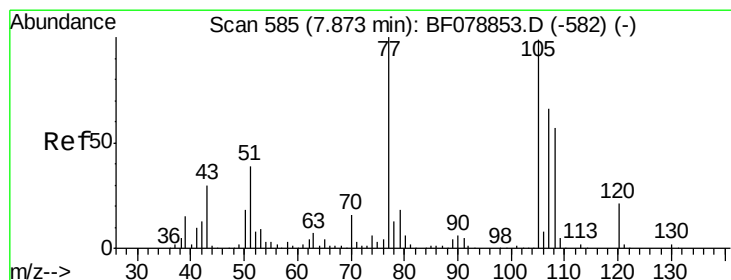
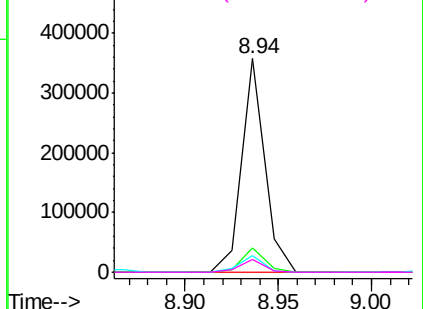
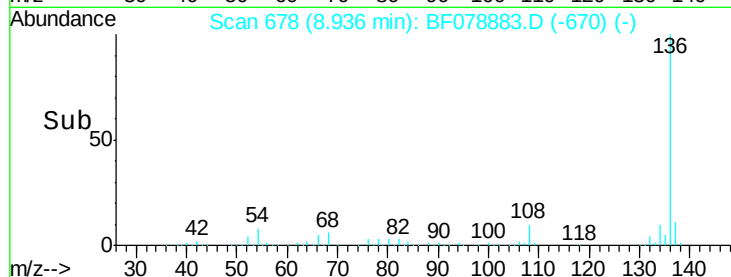
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.94 min Scan# 678  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 308863   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.7 13.1 |
| 54          | 8.0   | 5.8 8.8  |
| 68          | 6.0   | 4.2 6.4  |

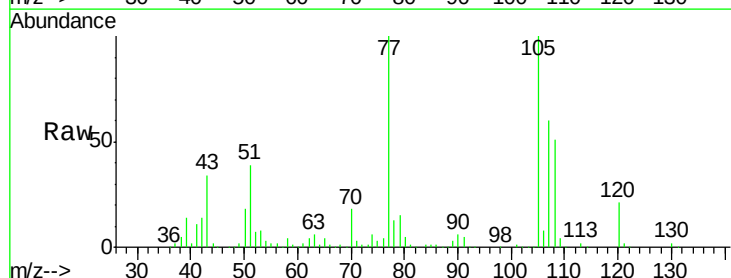


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

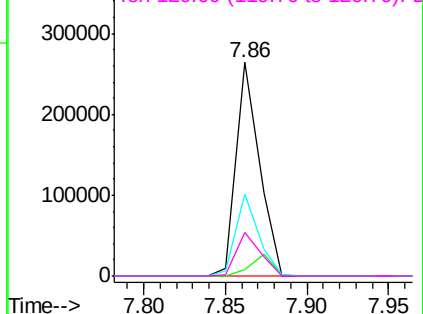
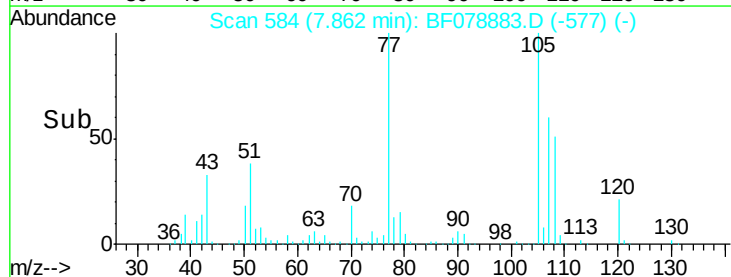


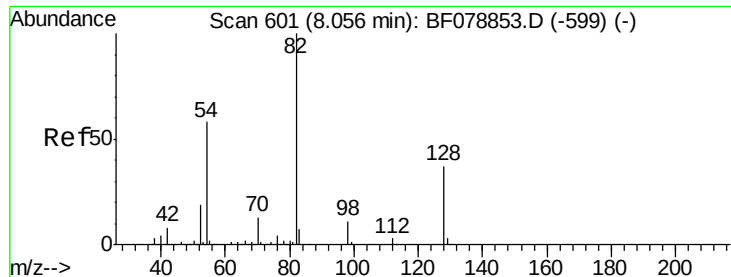
#22  
Acetophenone  
Concen: 37.20 ng  
RT: 7.86 min Scan# 584  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 259577    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 3.0   | 4.6 6.8#  |
| 51          | 38.5  | 26.7 40.1 |
| 120         | 20.7  | 17.4 26.0 |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E

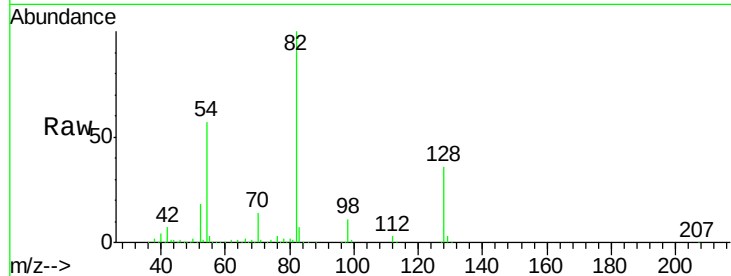




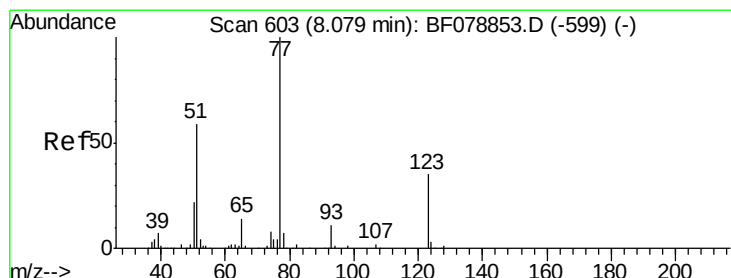
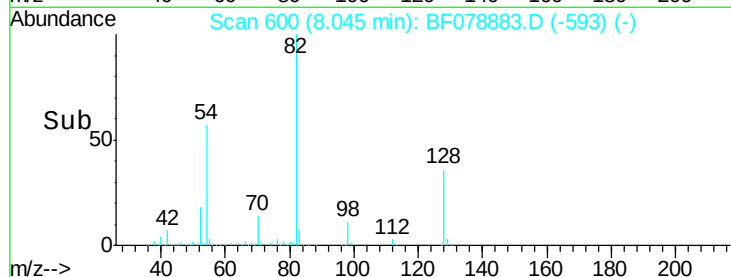
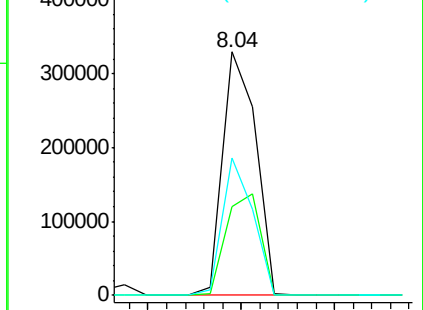
#23  
 Nitrobenzene-d5  
 Concen: 76.58 ng  
 RT: 8.04 min Scan# 600  
 Delta R.T. -0.02 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 411539  
 Ion Ratio Lower Upper  
 82 100  
 128 36.2 30.0 45.0  
 54 56.6 46.4 69.6

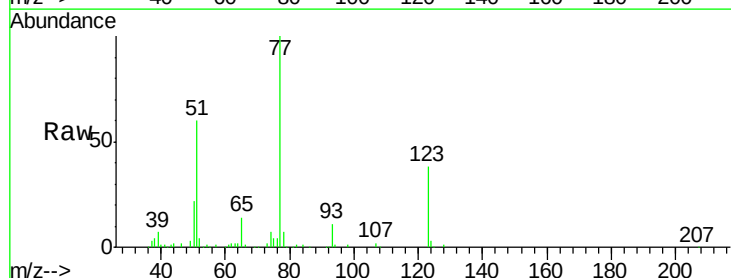


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

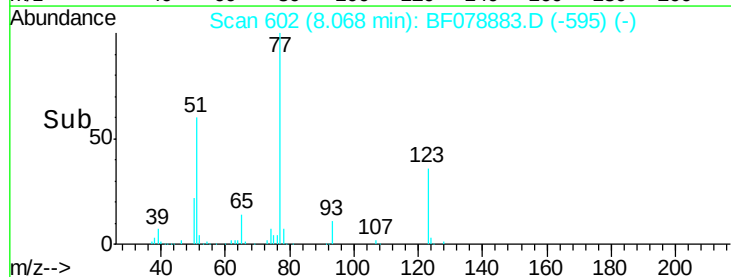
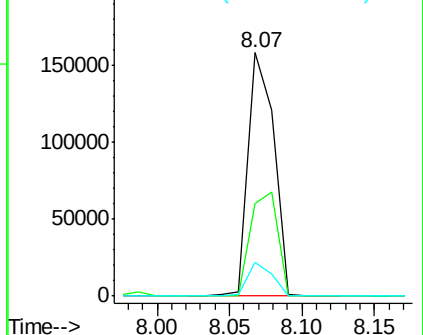


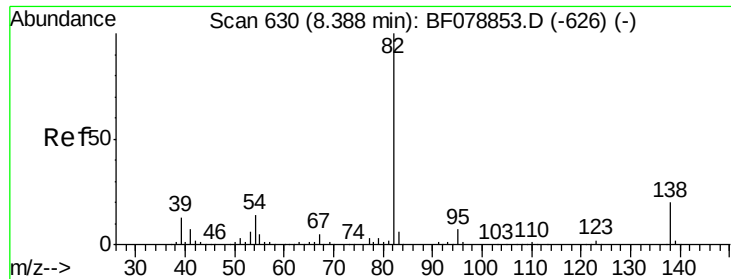
#24  
 Nitrobenzene  
 Concen: 36.65 ng  
 RT: 8.07 min Scan# 602  
 Delta R.T. -0.02 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion: 77 Resp: 195209  
 Ion Ratio Lower Upper  
 77 100  
 123 38.0 31.8 47.8  
 65 13.6 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): BF0  
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 40.55 ng

RT: 8.38 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Instrument :

BNA\_F

ClientSampled :

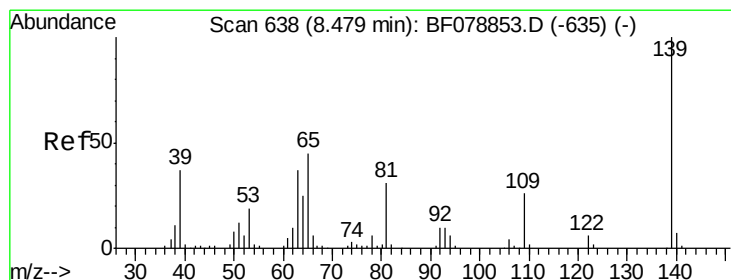
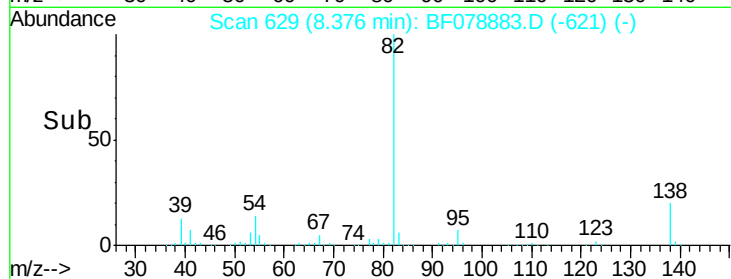
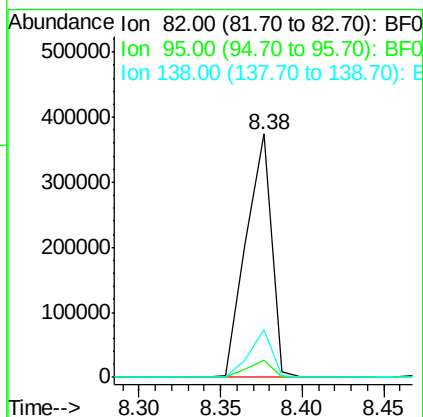
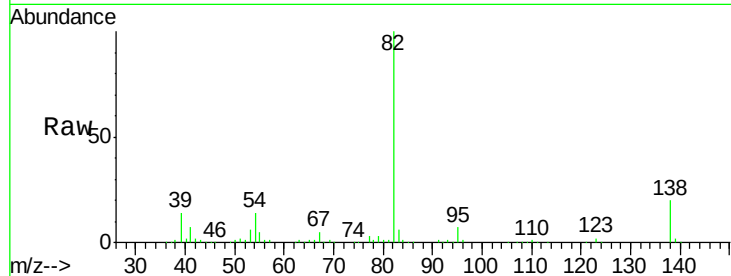
Tot Ion: 82 Resp: 403968

Ion Ratio Lower Upper

82 100

95 6.9 5.3 7.9

138 19.8 12.0 18.0#



#26

2-Nitrophenol

Concen: 42.64 ng

RT: 8.47 min Scan# 637

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

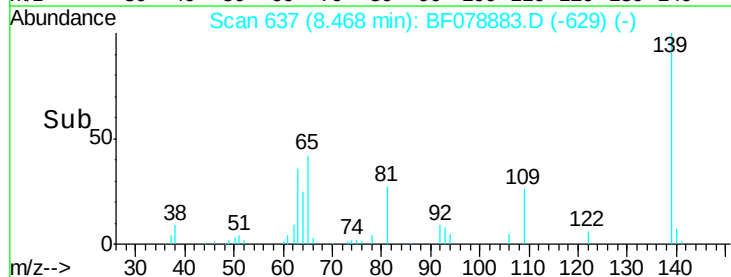
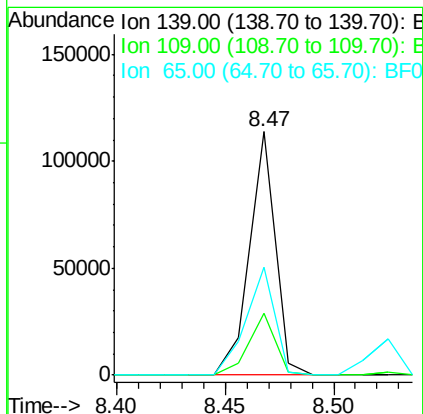
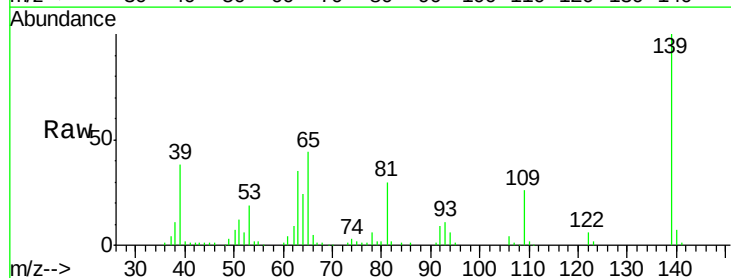
Tgt Ion: 139 Resp: 94015

Ion Ratio Lower Upper

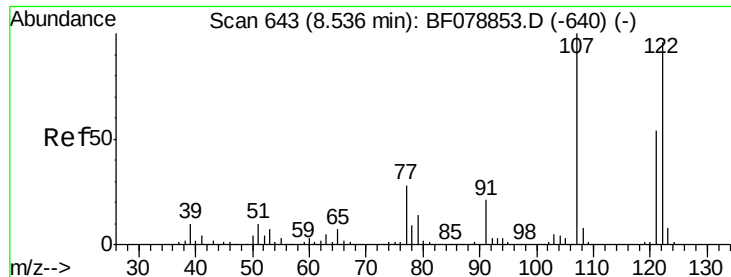
139 100

109 25.5 21.0 31.4

65 44.1 30.5 45.7



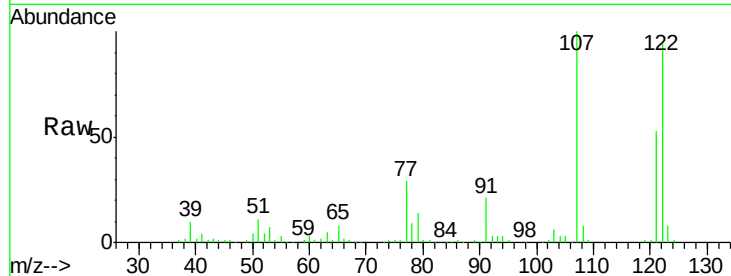




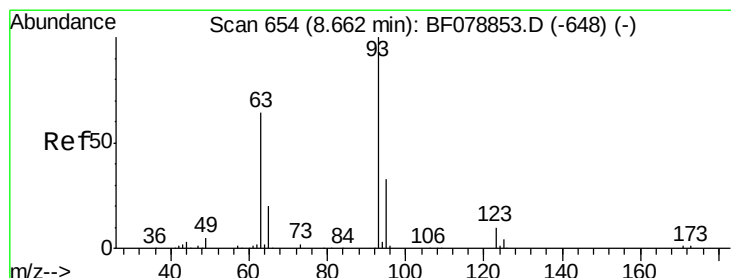
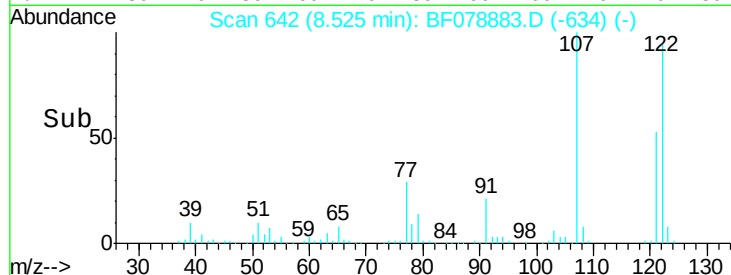
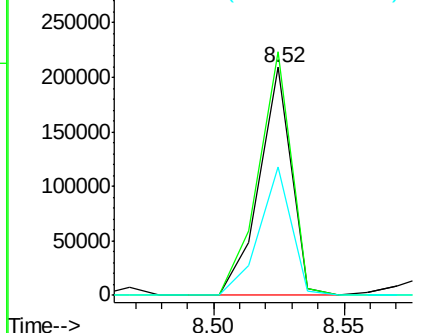
#27  
 2,4-Dimethylphenol  
 Concen: 41.28 ng  
 RT: 8.52 min Scan# 642  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:122 Resp: 182142  
 Ion Ratio Lower Upper  
 122 100  
 107 106.8 90.6 135.8  
 121 56.5 45.4 68.2

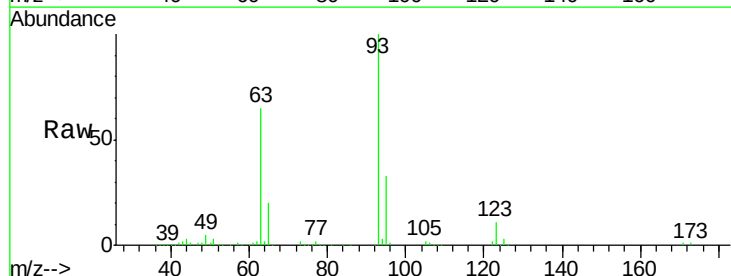


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

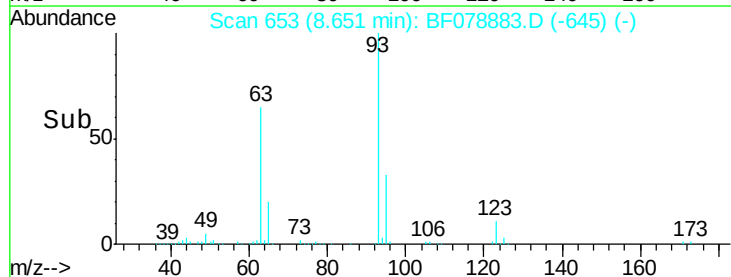
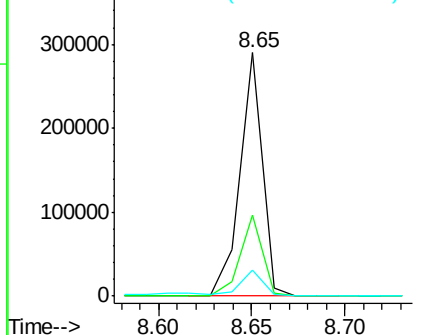


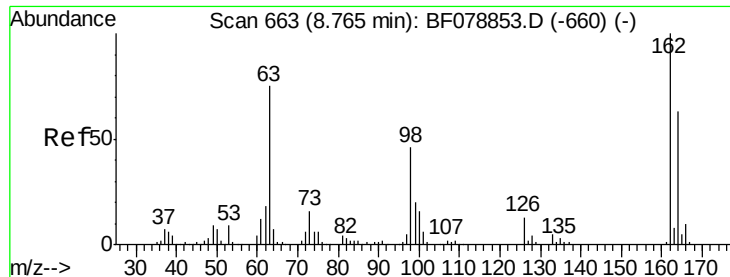
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.72 ng  
 RT: 8.65 min Scan# 653  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion: 93 Resp: 243957  
 Ion Ratio Lower Upper  
 93 100  
 95 33.4 26.7 40.1  
 123 10.7 9.1 13.7



Abundance Ion 93.00 (92.70 to 93.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 123.00 (122.70 to 123.70): E

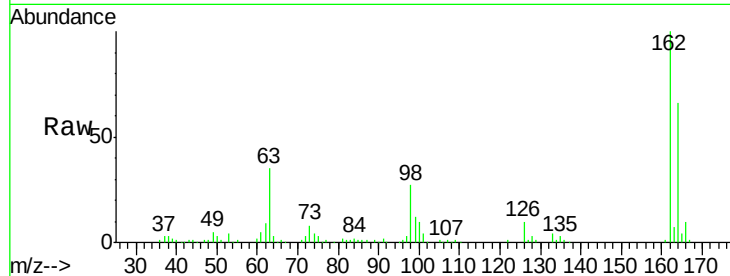




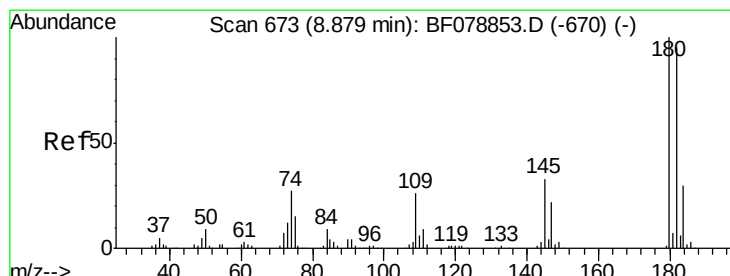
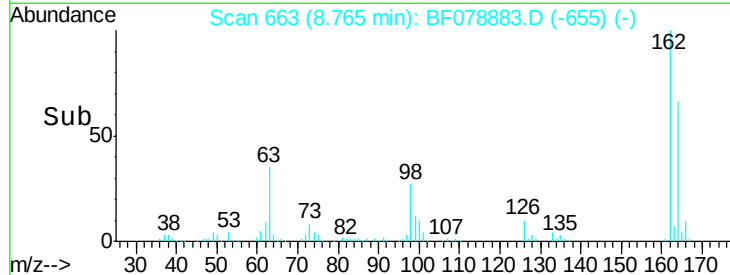
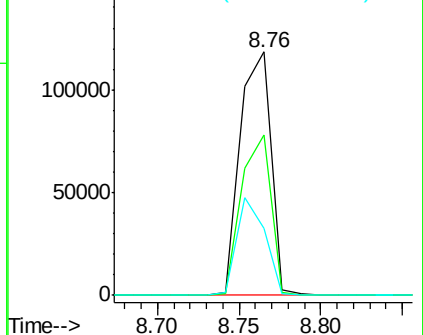
#29  
 2,4-Dichlorophenol  
 Concen: 39.26 ng  
 RT: 8.76 min Scan# 663  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.8  | 43.6  | 83.6  |
| 98      | 27.3  | 16.5  | 56.5  |

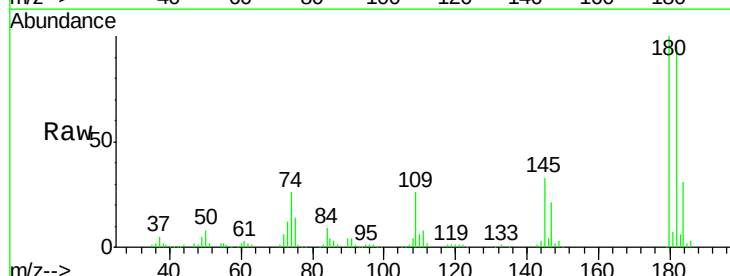


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

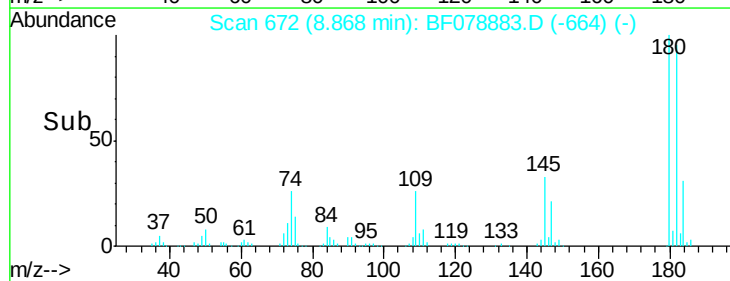
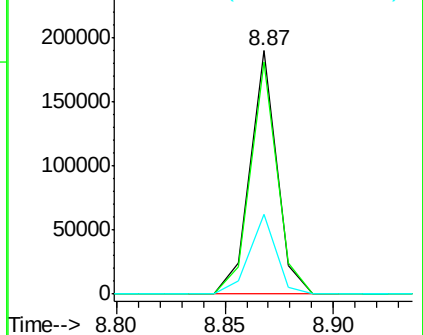


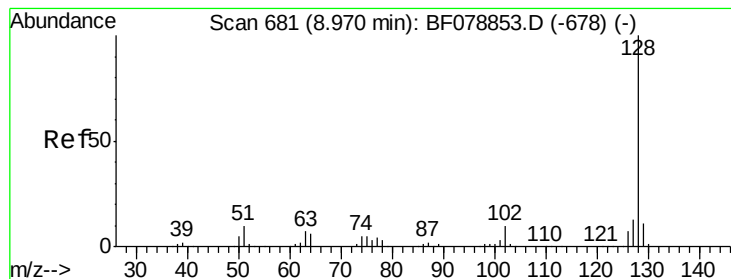
#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.53 ng  
 RT: 8.87 min Scan# 672  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 78.9  | 118.3 |
| 145     | 32.6  | 24.2  | 36.4  |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 37.48 ng

RT: 8.96 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Instrument :

BNA\_F

ClientSampleId :

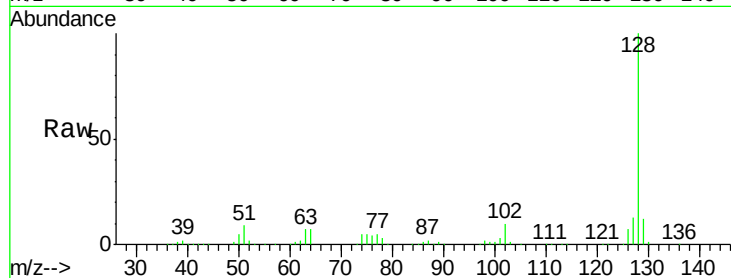
Tot Ion:128 Resp: 551666

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

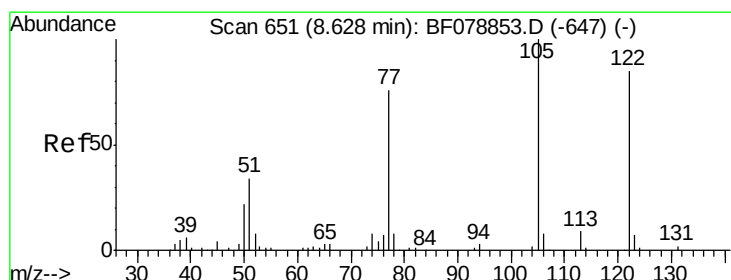
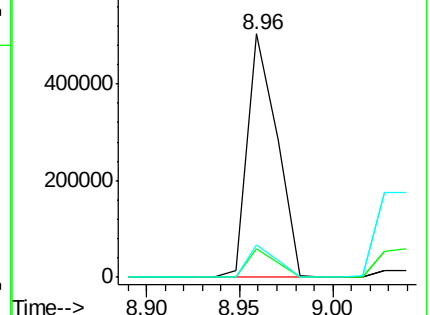
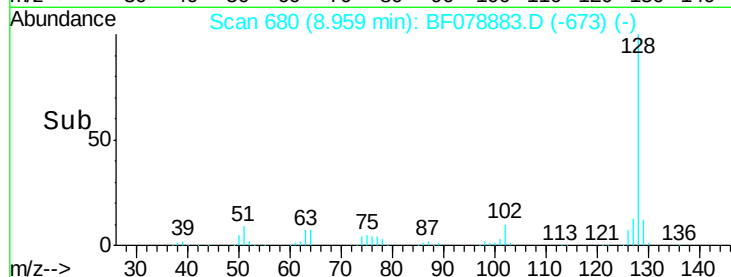
127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 40.26 ng

RT: 8.62 min Scan# 650

Delta R.T. -0.04 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

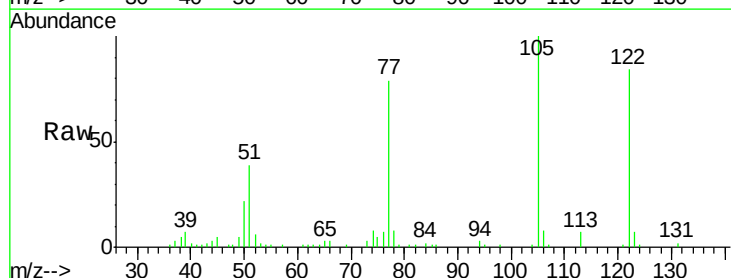
Tgt Ion:122 Resp: 108023

Ion Ratio Lower Upper

122 100

105 119.1 107.1 147.1

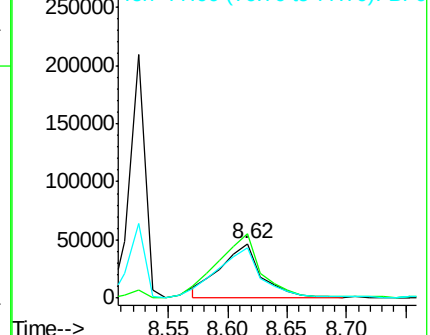
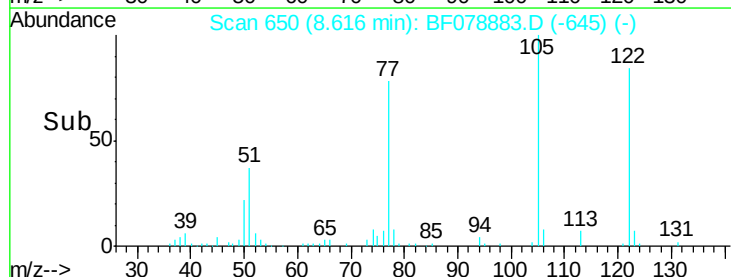
77 93.5 73.9 113.9

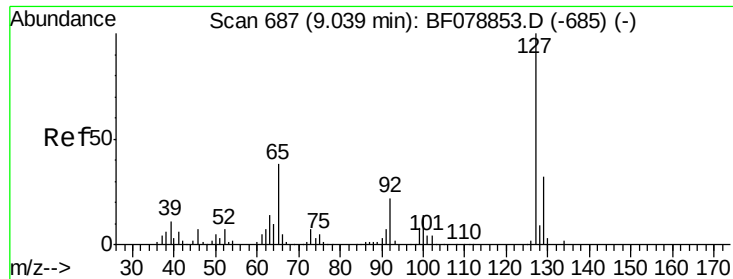


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

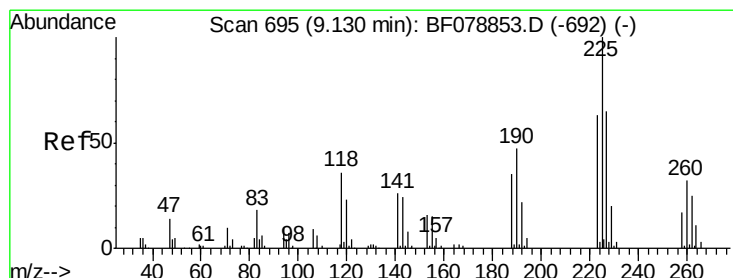
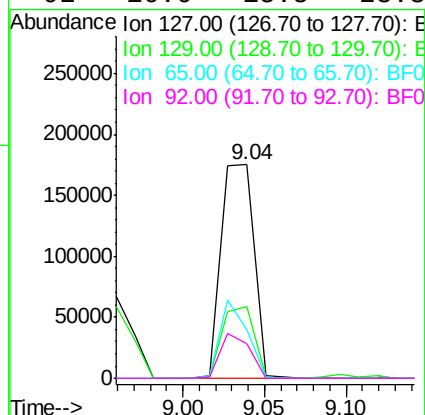
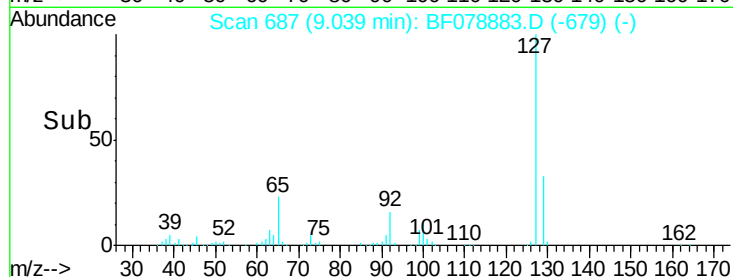
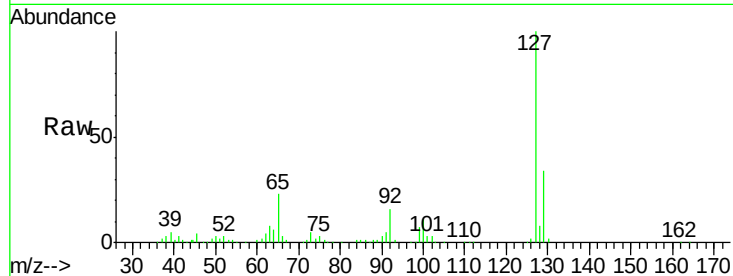




#33  
4-Chloroaniline  
Concen: 39.22 ng  
RT: 9.04 min Scan# 687  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

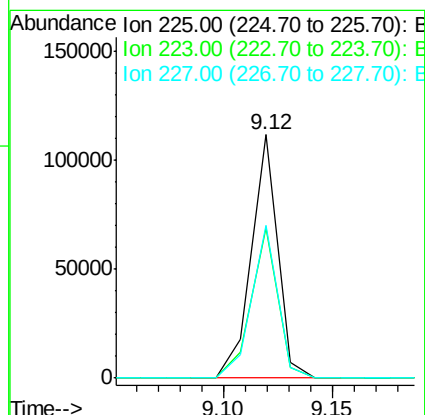
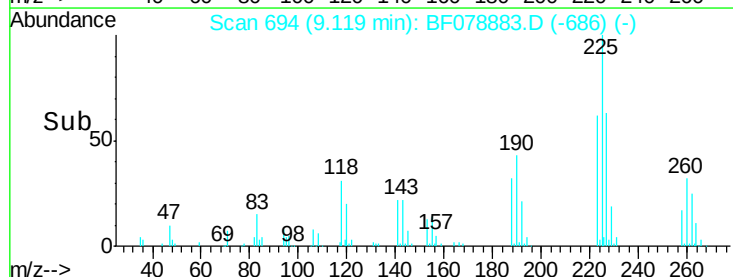
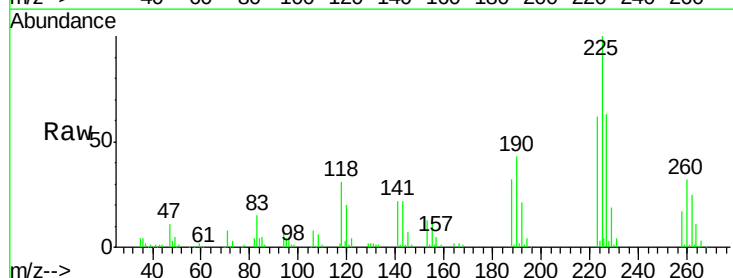
Instrument :  
BNA\_F  
ClientSampled :

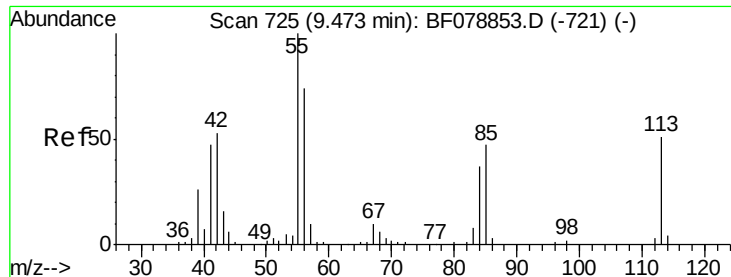
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 244262 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.8  | 25.8  | 38.8   |
| 65       | 22.5  | 25.8  | 38.6#  |
| 92       | 16.0  | 15.5  | 23.3   |



#34  
Hexachlorobutadiene  
Concen: 37.90 ng  
RT: 9.12 min Scan# 694  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 94050 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.8  | 48.2  | 72.4  |
| 227      | 62.7  | 51.4  | 77.0  |

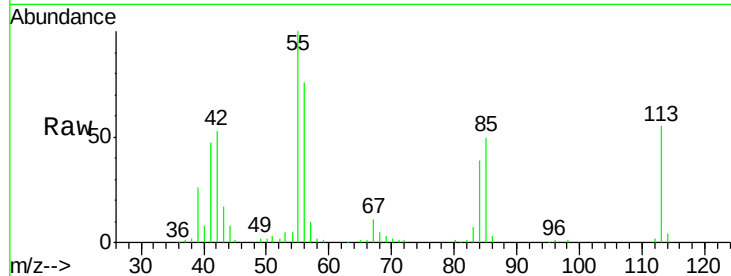




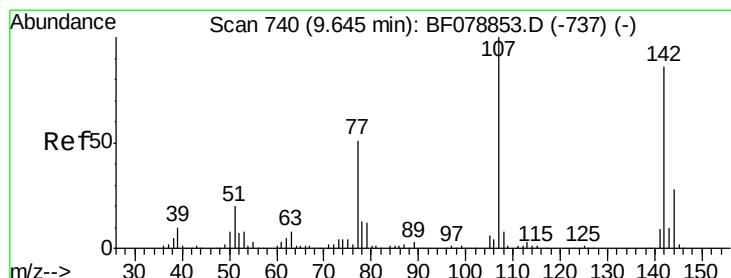
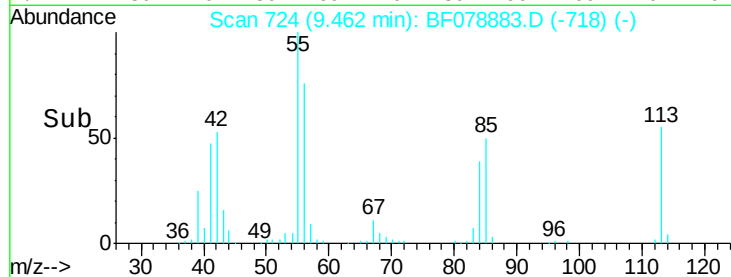
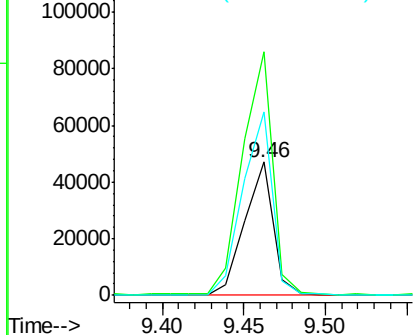
#35  
 Caprolactam  
 Concen: 44.85 ng  
 RT: 9.46 min Scan# 724  
 Delta R.T. -0.03 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:113 Resp: 56895  
 Ion Ratio Lower Upper  
 113 100  
 55 182.4 169.7 209.7  
 56 137.9 122.5 162.5

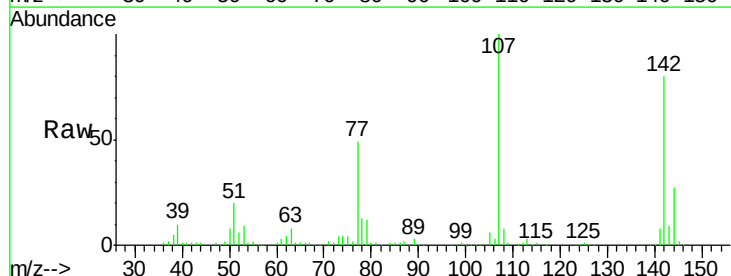


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF0  
 Ion 56.00 (55.70 to 56.70): BF0

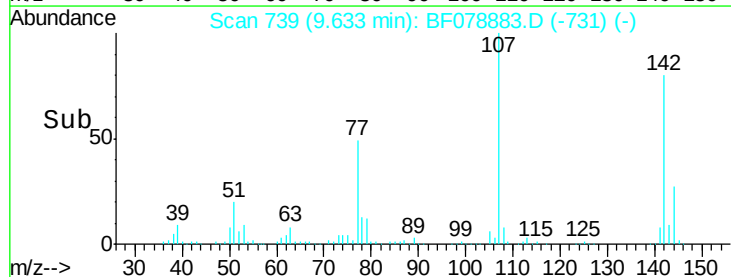
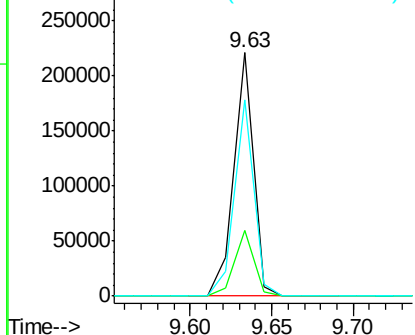


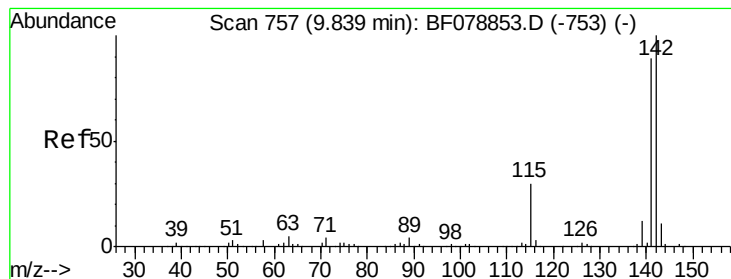
#36  
 4-Chloro-3-methylphenol  
 Concen: 44.50 ng  
 RT: 9.63 min Scan# 739  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion:107 Resp: 183374  
 Ion Ratio Lower Upper  
 107 100  
 144 26.8 19.8 29.6  
 142 80.5 60.6 91.0



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

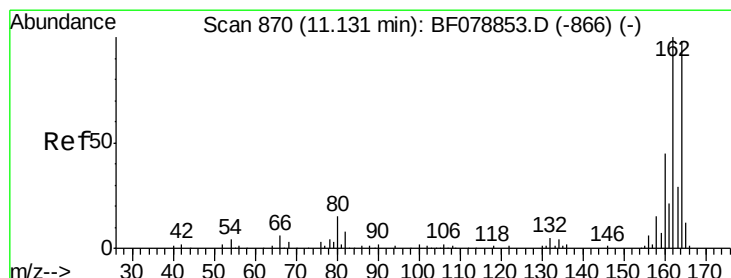
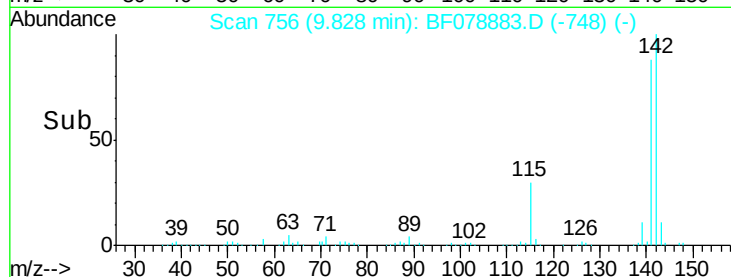
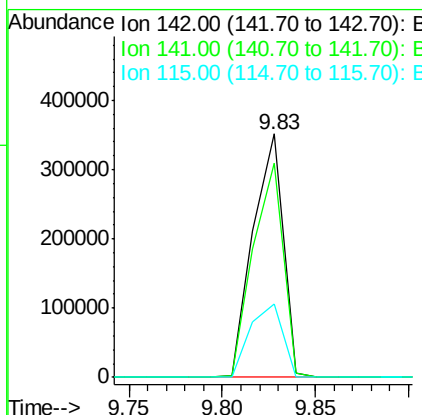
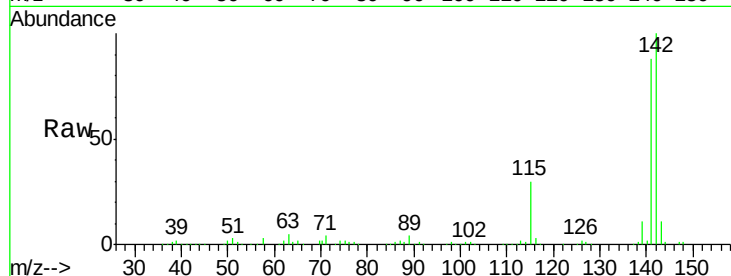




#37  
2-Methylnaphthalene  
Concen: 38.54 ng  
RT: 9.83 min Scan# 756  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

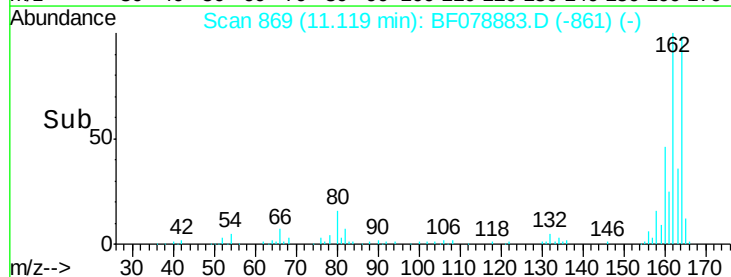
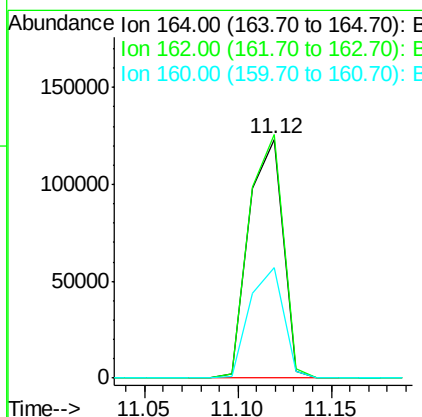
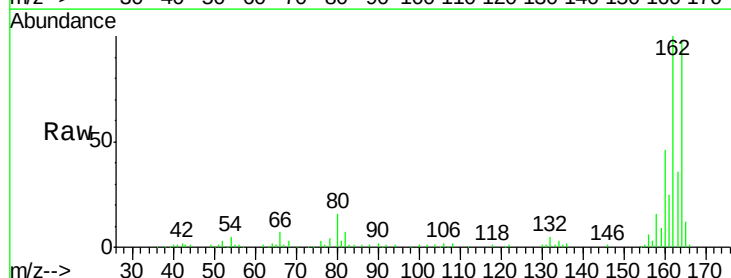
Instrument :  
BNA\_F  
ClientSampleId :

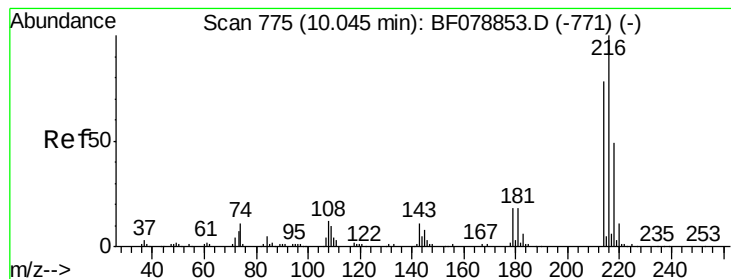
Tot Ion:142 Resp: 393000  
Ion Ratio Lower Upper  
142 100  
141 88.1 70.9 106.3  
115 30.3 28.5 42.7



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 11.12 min Scan# 869  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion:164 Resp: 155076  
Ion Ratio Lower Upper  
164 100  
162 102.0 82.7 124.1  
160 46.5 35.8 53.8





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.04 ng

RT: 10.03 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 161765

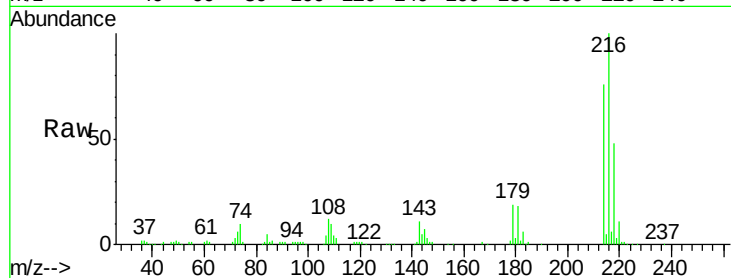
Ion Ratio Lower Upper

216 100

214 78.1 0.0 0.0#

179 22.1 0.0 0.0#

108 21.6 0.0 0.0#

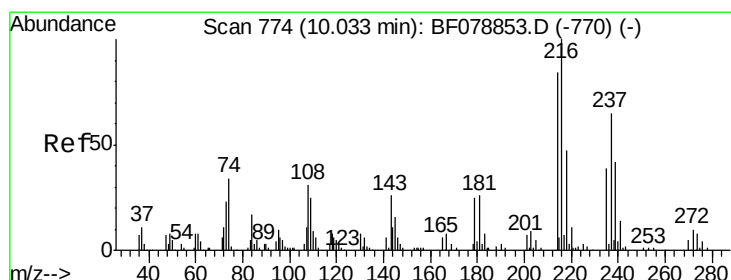
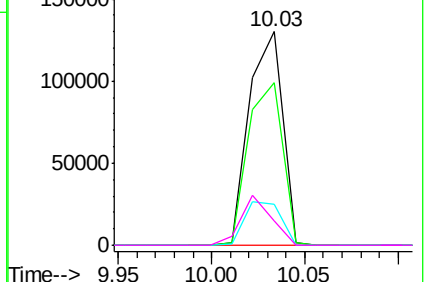
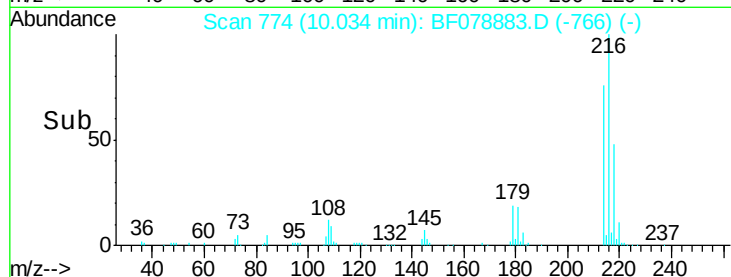


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 37.90 ng

RT: 10.01 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

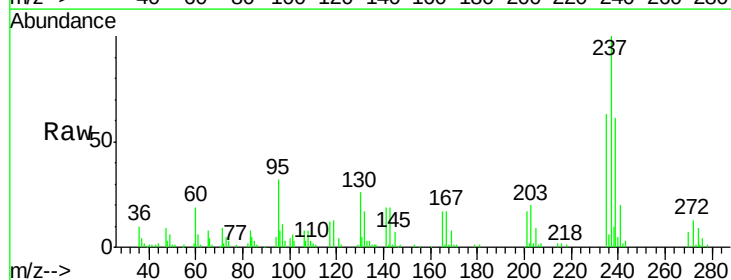
Tgt Ion:237 Resp: 83240

Ion Ratio Lower Upper

237 100

235 63.1 44.7 84.7

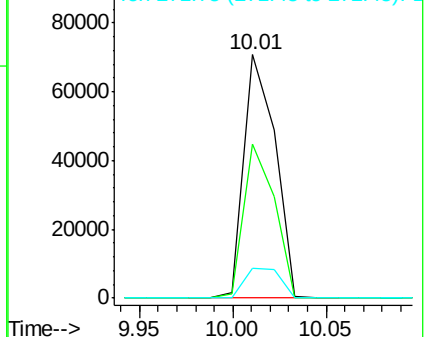
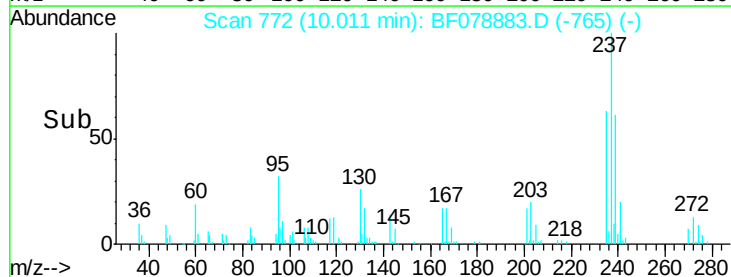
272 12.5 0.0 32.6

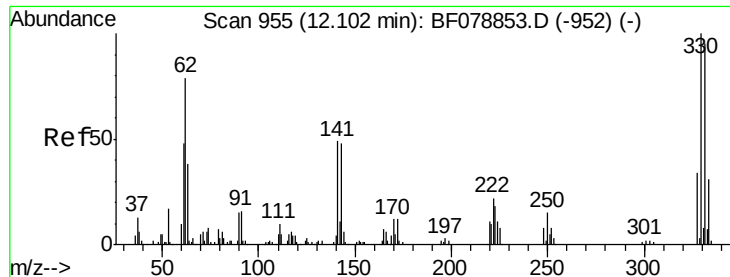


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

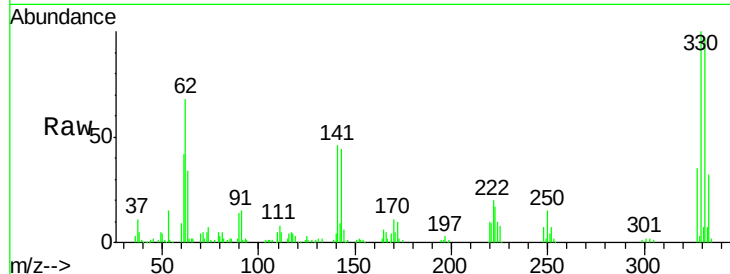




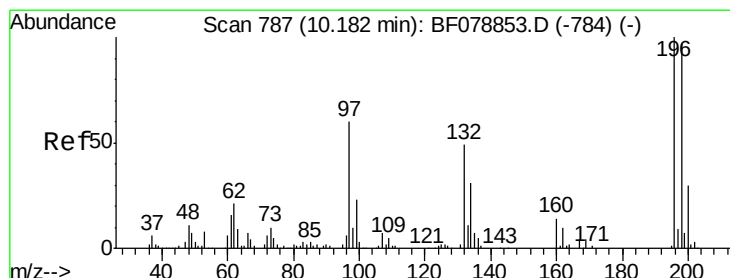
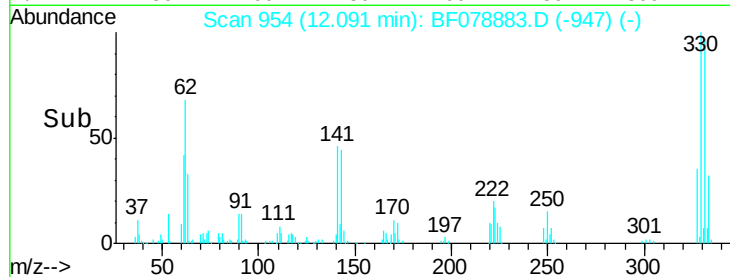
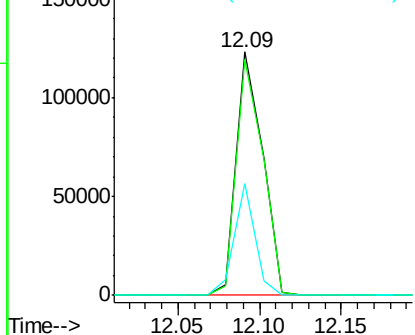
#41  
 2,4,6-Tribromophenol  
 Concen: 81.70 ng  
 RT: 12.09 min Scan# 954  
 Delta R.T. -0.02 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 137066  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 0.0 0.0#  
 141 35.8 0.0 0.0#

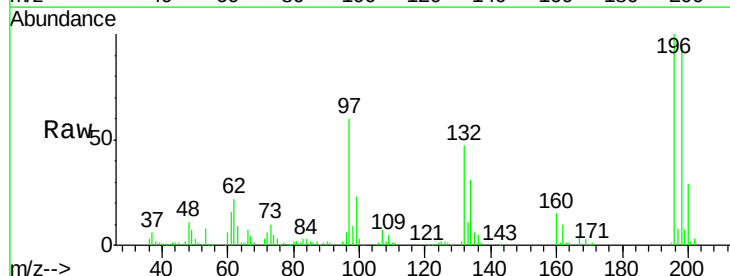


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

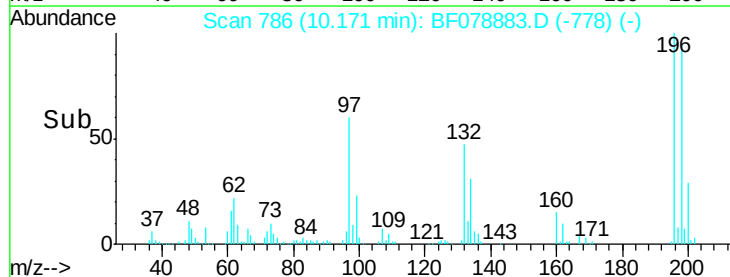
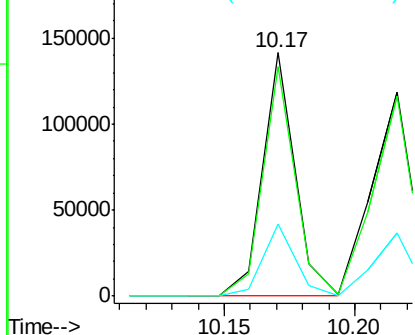


#42  
 2,4,6-Trichlorophenol  
 Concen: 40.05 ng  
 RT: 10.17 min Scan# 786  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

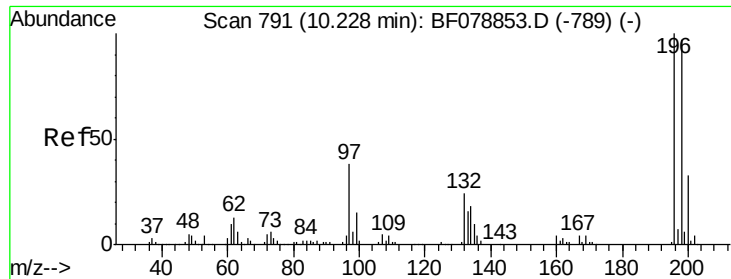
Tgt Ion:196 Resp: 120254  
 Ion Ratio Lower Upper  
 196 100  
 198 94.4 80.5 120.7  
 200 29.5 24.9 37.3



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E



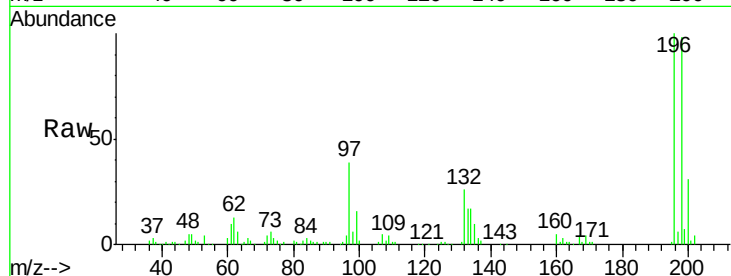




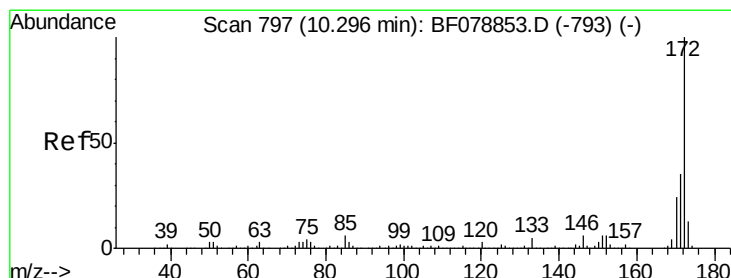
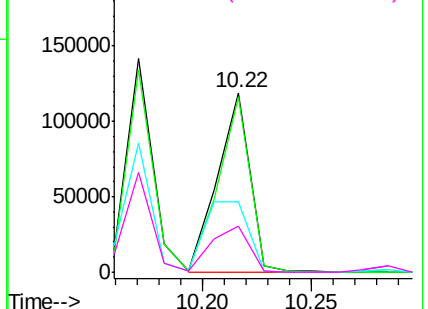
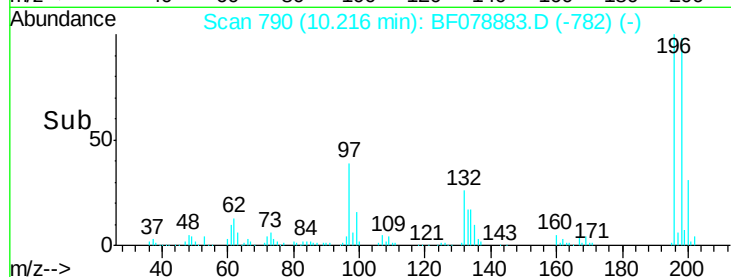
#43  
 2,4,5-Trichlorophenol  
 Concen: 40.53 ng  
 RT: 10.22 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 123038 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 97.8  | 79.8  | 119.6  |
| 97       | 39.2  | 46.0  | 69.0#  |
| 132      | 25.5  | 26.6  | 40.0#  |

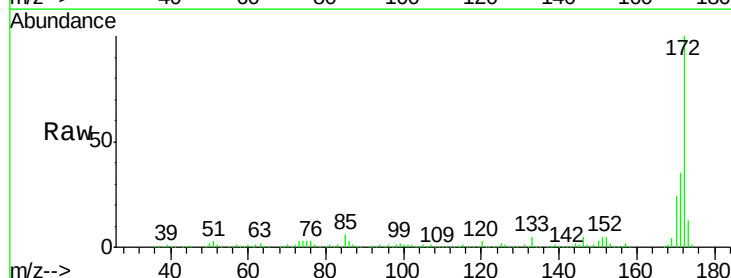


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

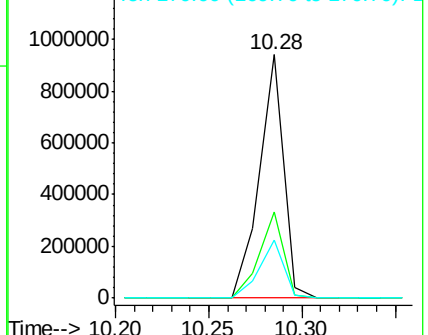
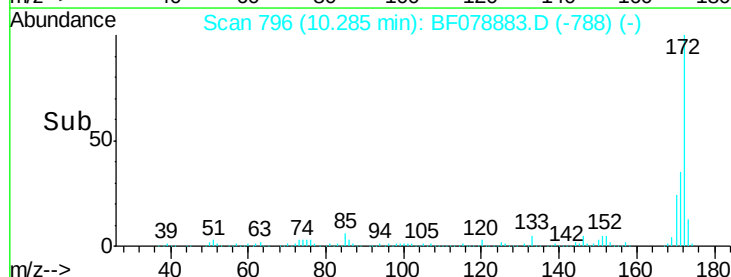


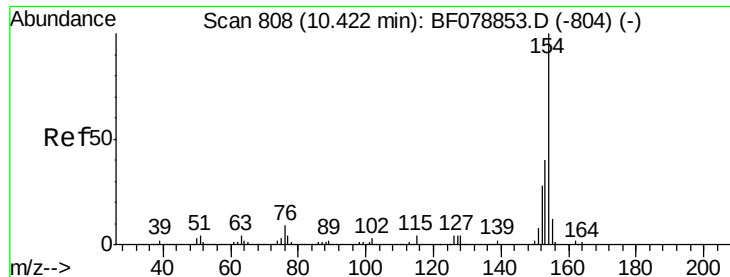
#44  
 2-Fluorobiphenyl  
 Concen: 77.22 ng  
 RT: 10.28 min Scan# 796  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 859489 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 35.3  | 27.9  | 41.9   |
| 170      | 23.9  | 19.4  | 29.0   |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

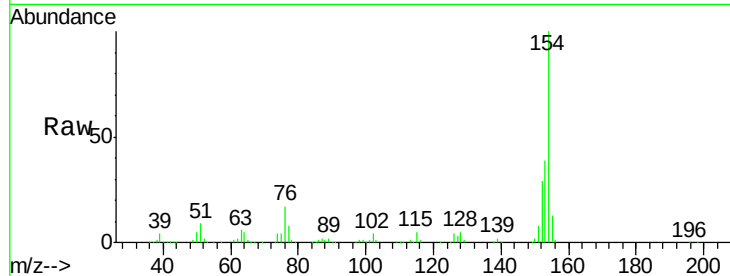




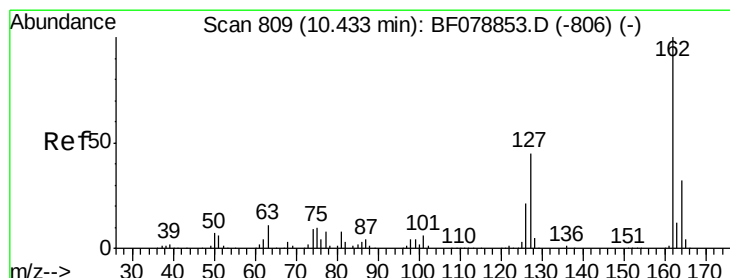
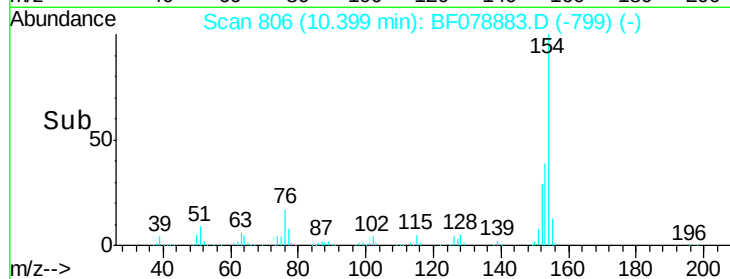
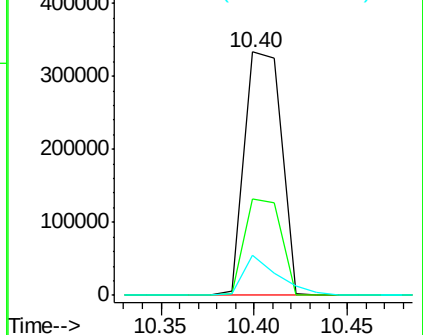
#45  
 1,1'-Biphenyl  
 Concen: 37.13 ng  
 RT: 10.40 min Scan# 806  
 Delta R.T. -0.02 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:154 Resp: 457805  
 Ion Ratio Lower Upper  
 154 100  
 153 39.4 19.9 59.9  
 76 16.6 0.0 35.0

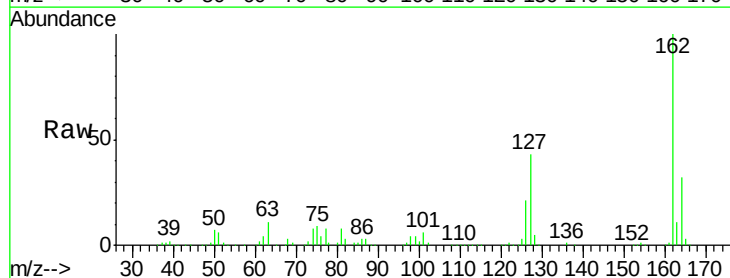


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

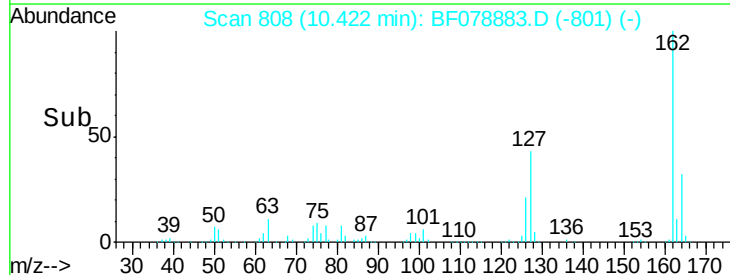
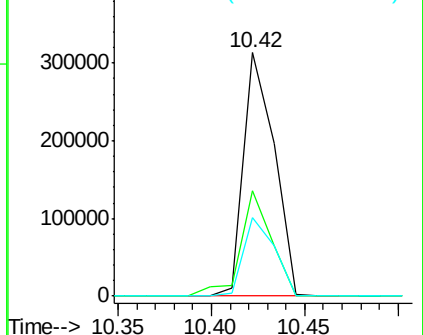


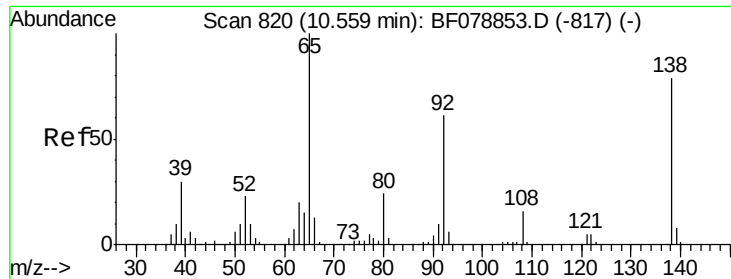
#46  
 2-Chloronaphthalene  
 Concen: 37.17 ng  
 RT: 10.42 min Scan# 808  
 Delta R.T. -0.02 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion:162 Resp: 357460  
 Ion Ratio Lower Upper  
 162 100  
 127 43.3 33.9 50.9  
 164 32.4 26.3 39.5



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

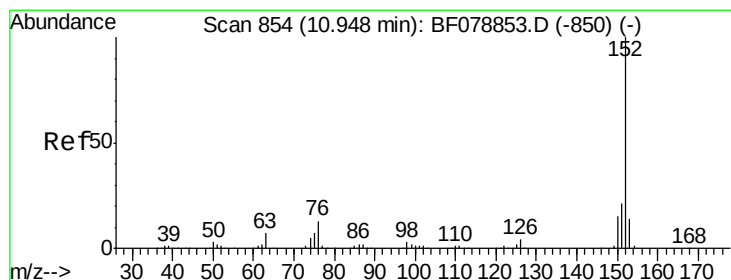
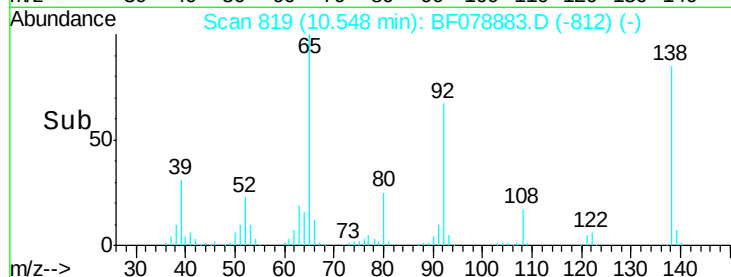
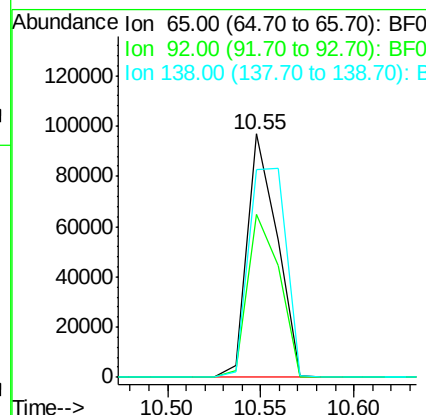
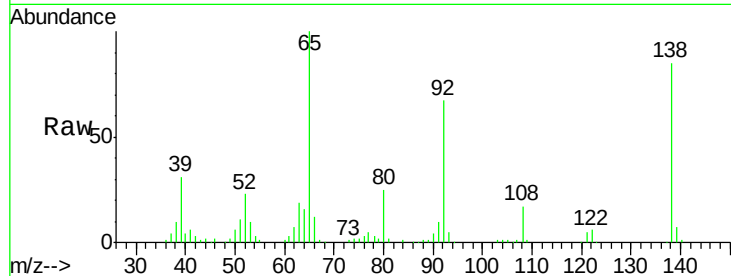




#47  
2-Nitroaniline  
Concen: 38.62 ng  
RT: 10.55 min Scan# 819  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

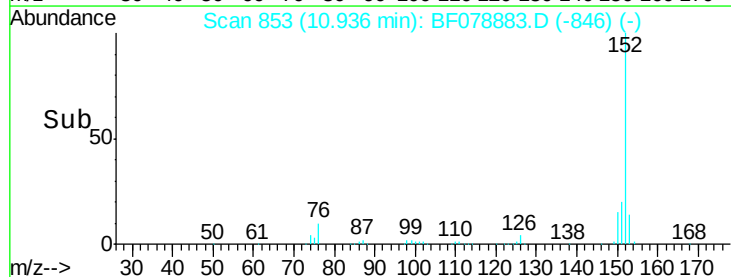
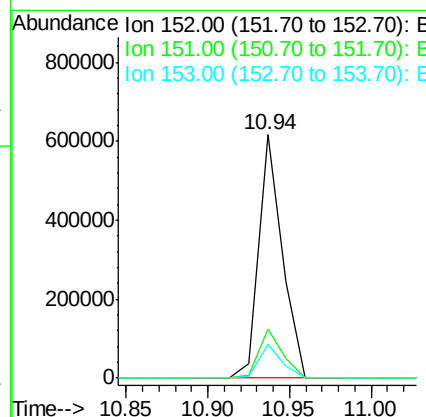
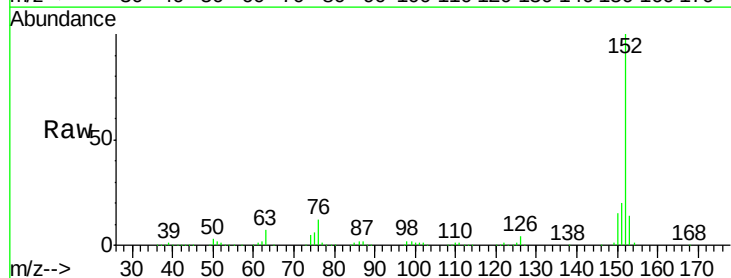
Instrument :  
BNA\_F  
ClientSampleId :

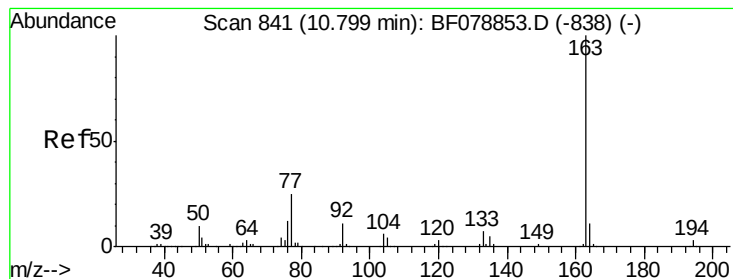
Tot Ion: 65 Resp: 107597  
Ion Ratio Lower Upper  
65 100  
92 66.7 54.0 81.0  
138 85.4 75.0 112.6



#48  
Acenaphthylene  
Concen: 39.05 ng  
RT: 10.94 min Scan# 853  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion: 152 Resp: 616620  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.2 24.4  
153 13.7 10.9 16.3





#49

Dimethylphthalate

Concen: 37.81 ng

RT: 10.79 min Scan# 840

Delta R.T. -0.02 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Instrument :

BNA\_F

ClientSampleId :

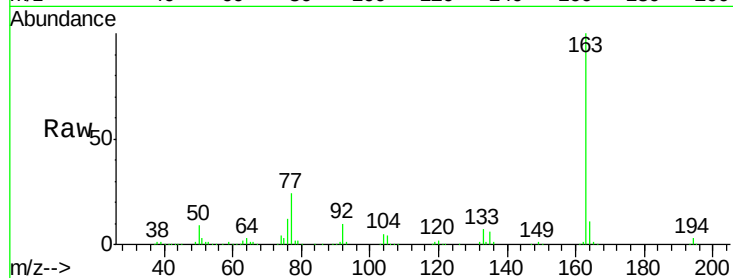
Tot Ion:163 Resp: 430309

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

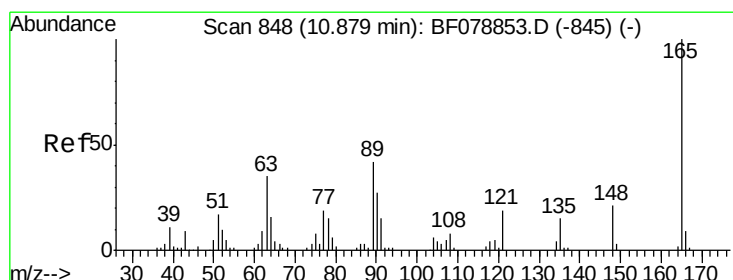
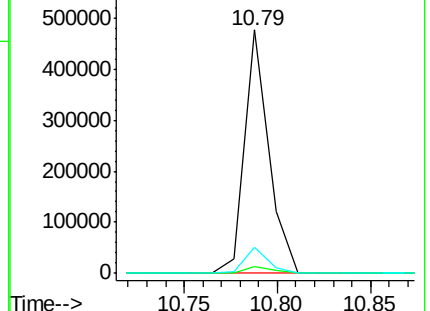
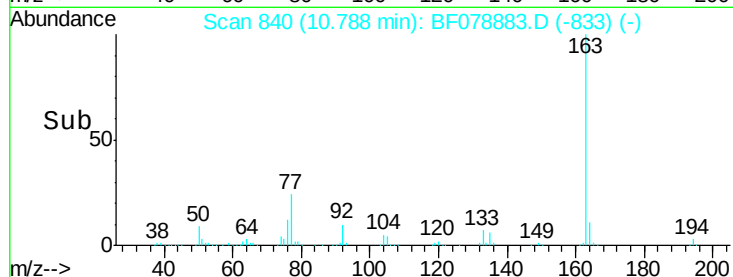
164 10.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 38.42 ng

RT: 10.86 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

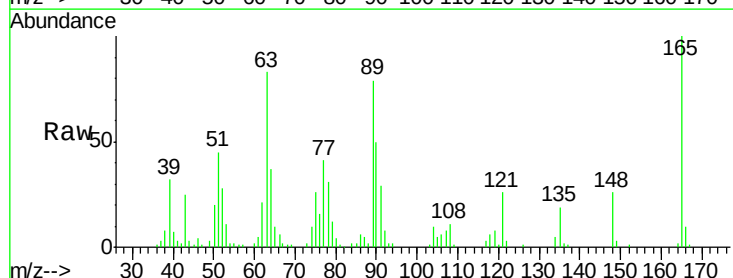
Tgt Ion:165 Resp: 86289

Ion Ratio Lower Upper

165 100

63 83.1 54.4 81.6#

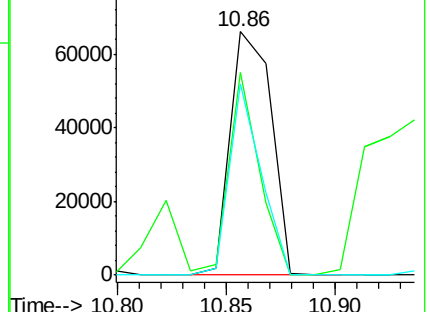
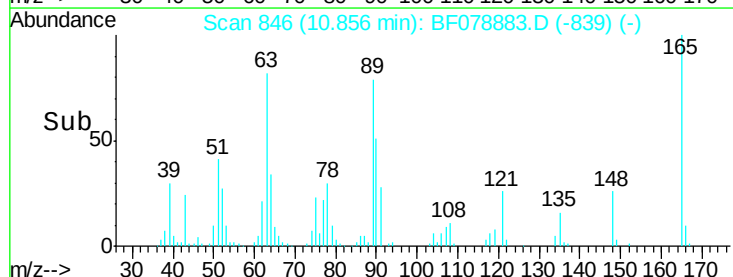
89 78.7 55.7 83.5

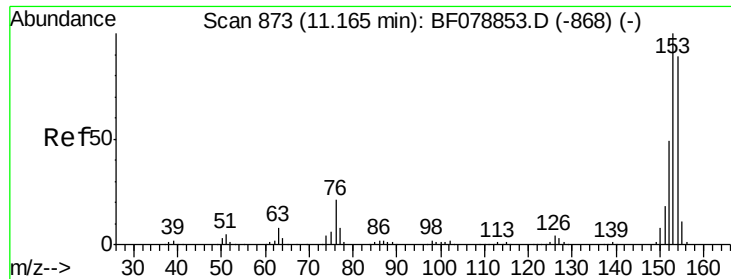


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

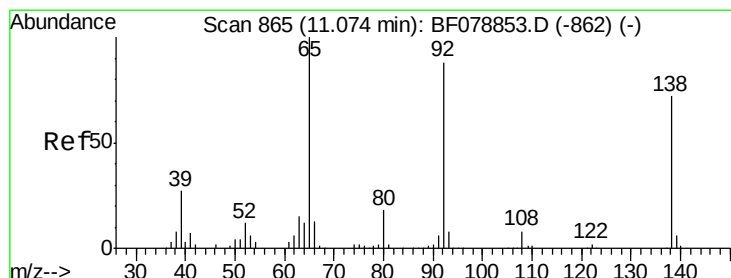
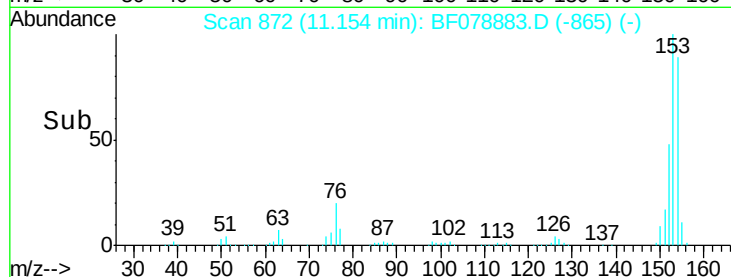
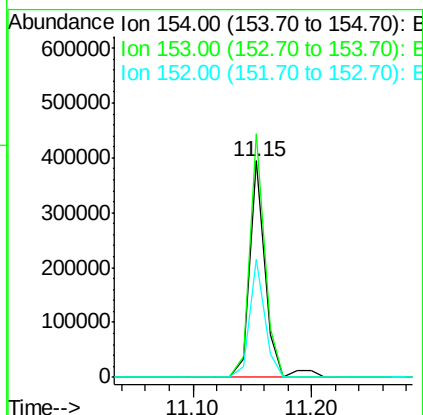
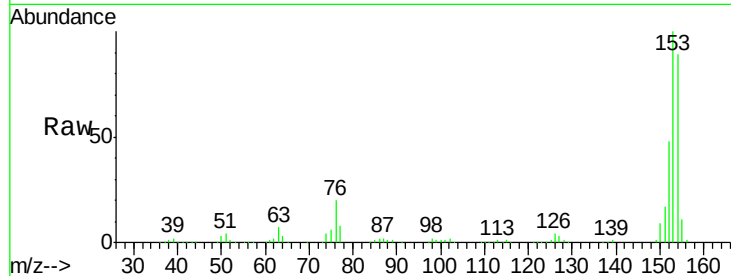




#51  
Acenaphthene  
Concen: 38.78 ng  
RT: 11.15 min Scan# 872  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

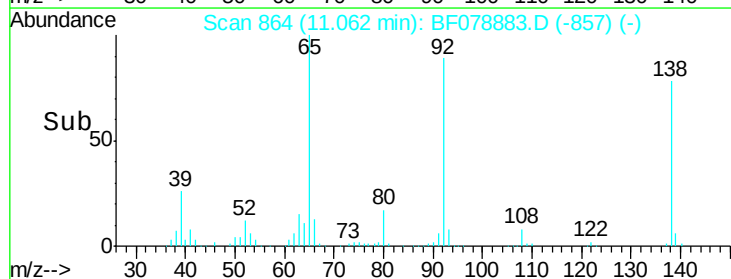
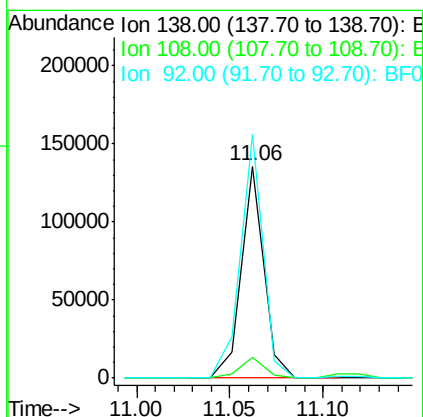
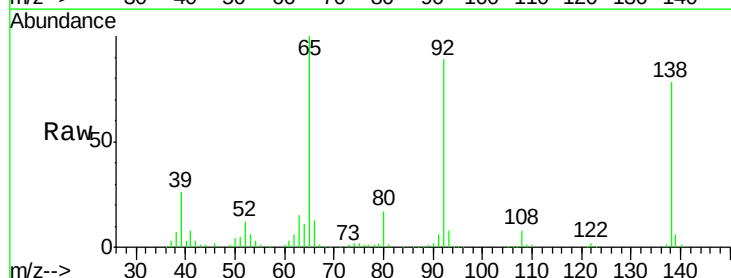
Instrument :  
BNA\_F  
ClientSampleId :

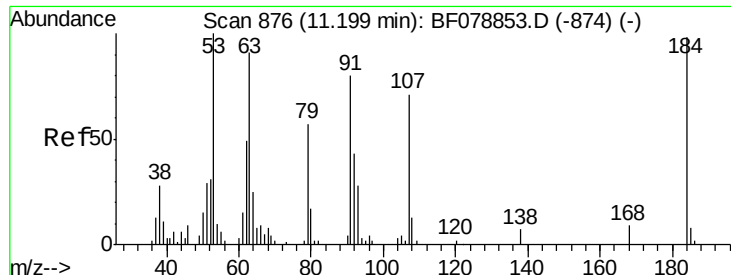
Tot Ion:154 Resp: 365133  
Ion Ratio Lower Upper  
154 100  
153 112.6 91.5 137.3  
152 54.4 44.2 66.4



#52  
3-Nitroaniline  
Concen: 41.05 ng  
RT: 11.06 min Scan# 864  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion:138 Resp: 115170  
Ion Ratio Lower Upper  
138 100  
108 9.8 10.6 16.0#  
92 114.7 81.8 122.6

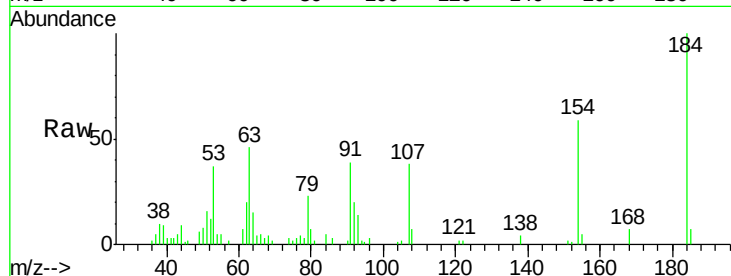




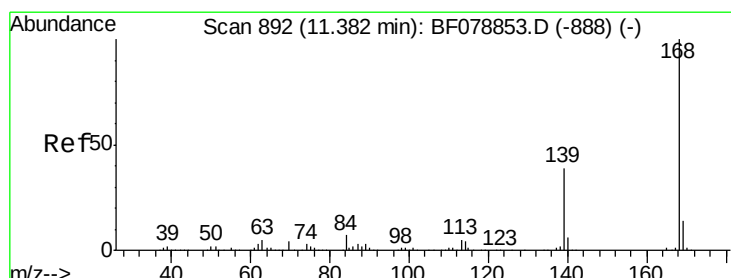
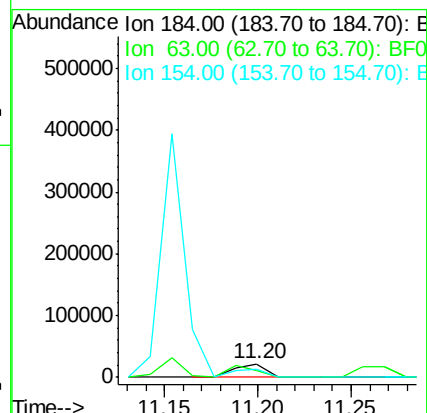
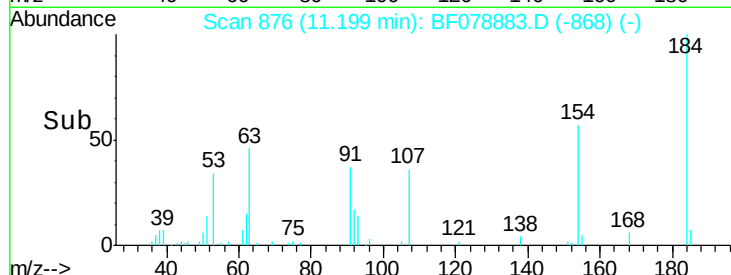
#53  
 2,4-Dinitrophenol  
 Concen: 42.20 ng  
 RT: 11.20 min Scan# 876  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:184 Resp: 26979  
 Ion Ratio Lower Upper  
 184 100  
 63 46.4 63.3 94.9#  
 154 59.4 53.8 80.6

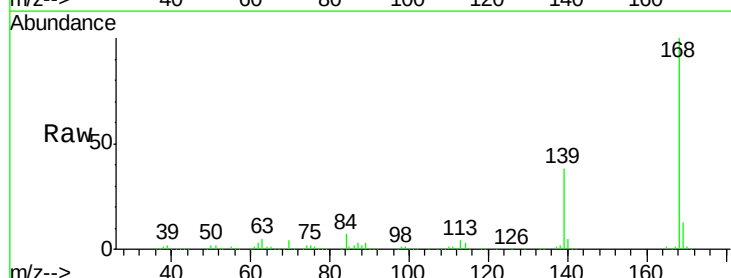


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

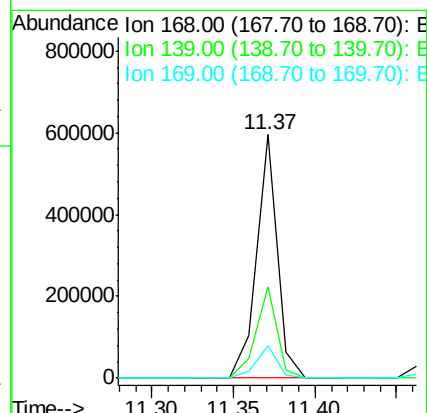
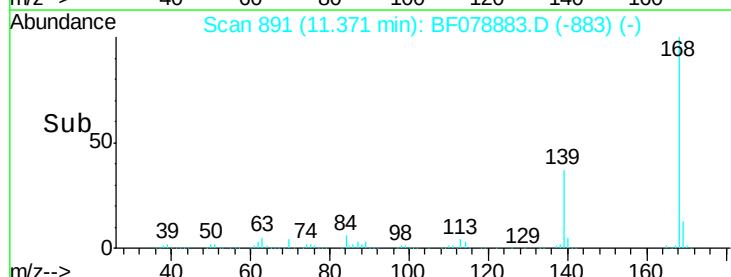


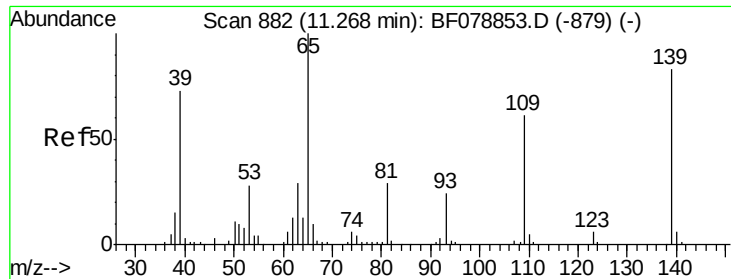
#54  
 Dibenzofuran  
 Concen: 38.64 ng  
 RT: 11.37 min Scan# 891  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion:168 Resp: 525481  
 Ion Ratio Lower Upper  
 168 100  
 139 37.5 31.0 46.4  
 169 13.5 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E  
 Ion 139.00 (138.70 to 139.70): E  
 Ion 169.00 (168.70 to 169.70): E

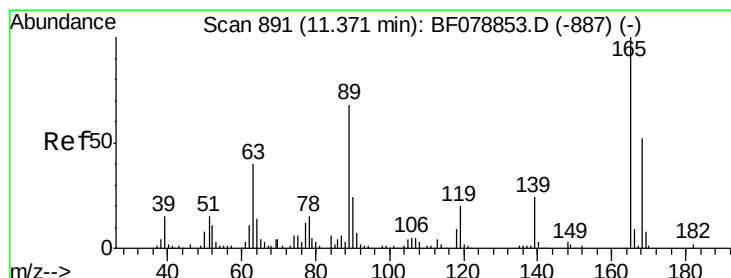
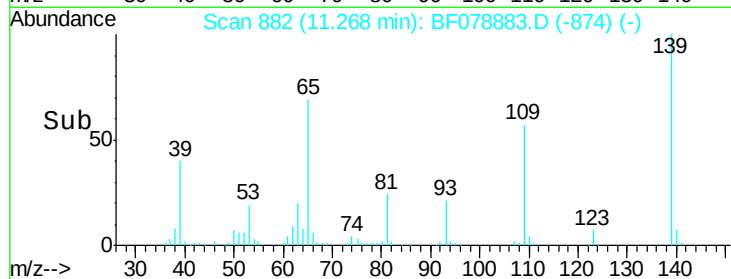
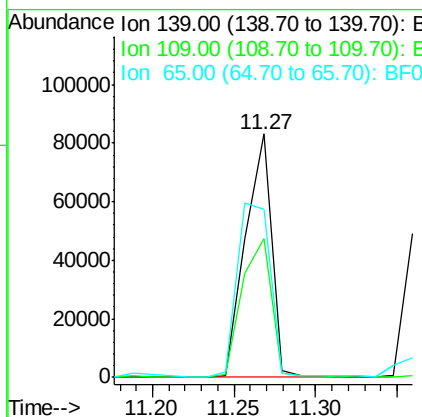
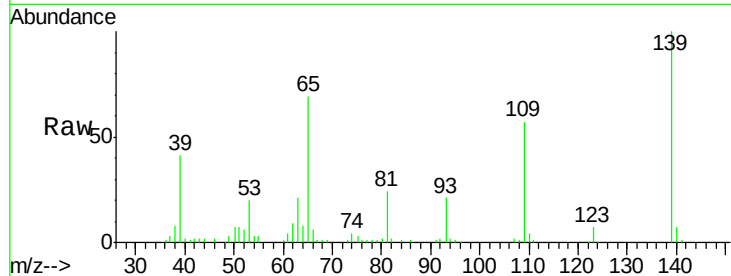




#55  
4-Nitrophenol  
Concen: 41.63 ng  
RT: 11.27 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

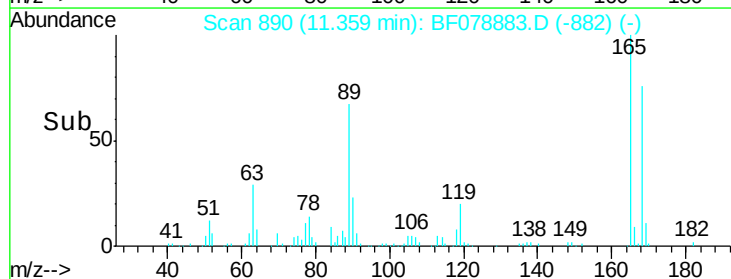
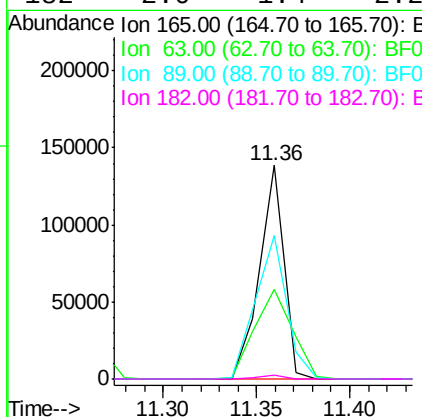
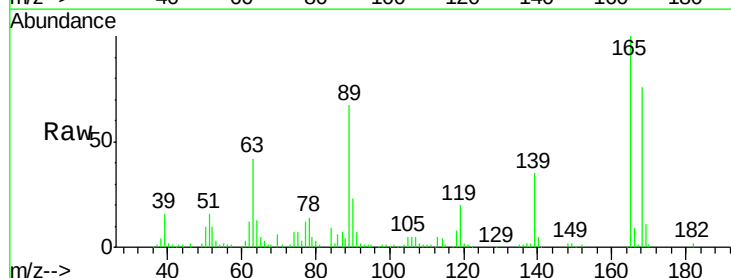
Instrument :  
BNA\_F  
ClientSampled :

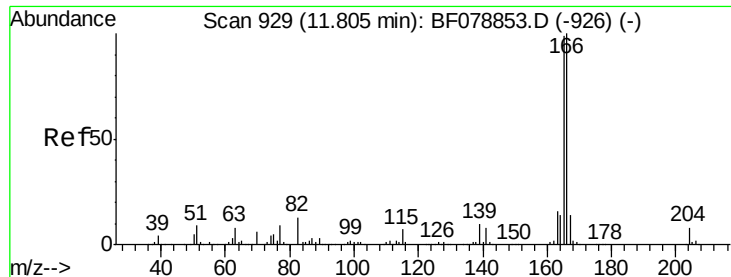
Tot Ion:139 Resp: 92460  
Ion Ratio Lower Upper  
139 100  
109 57.0 47.6 87.6  
65 68.8 54.3 94.3



#56  
2,4-Dinitrotoluene  
Concen: 42.06 ng  
RT: 11.36 min Scan# 890  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion:165 Resp: 124893  
Ion Ratio Lower Upper  
165 100  
63 41.8 51.2 76.8#  
89 67.3 82.7 124.1#  
182 2.0 1.4 2.2

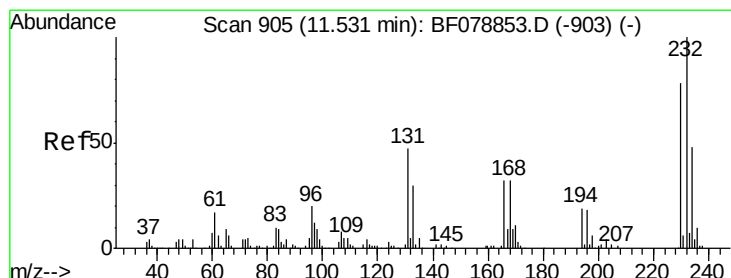
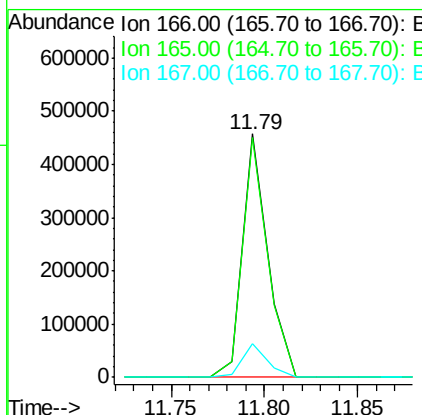
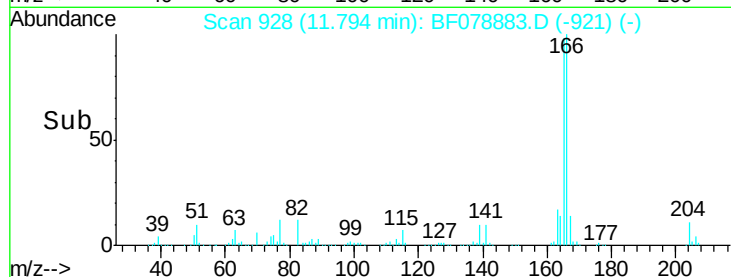
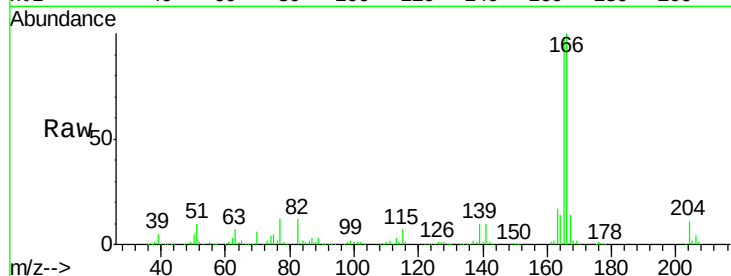




#57  
 Fluorene  
 Concen: 38.56 ng  
 RT: 11.79 min Scan# 928  
 Delta R.T. -0.02 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

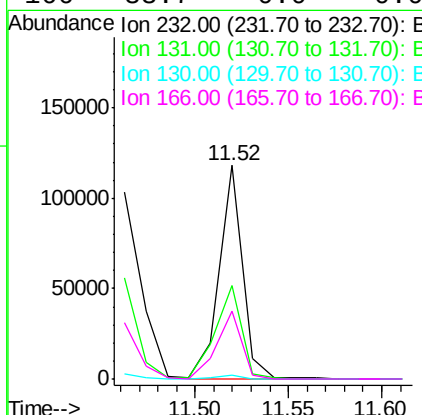
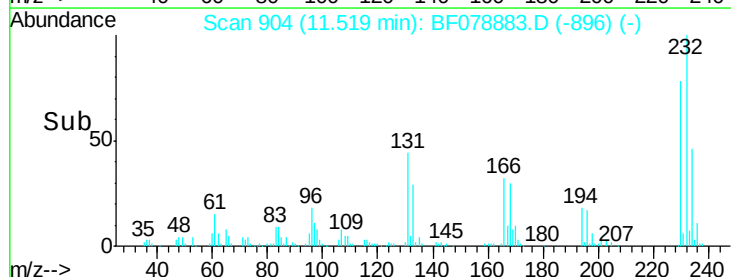
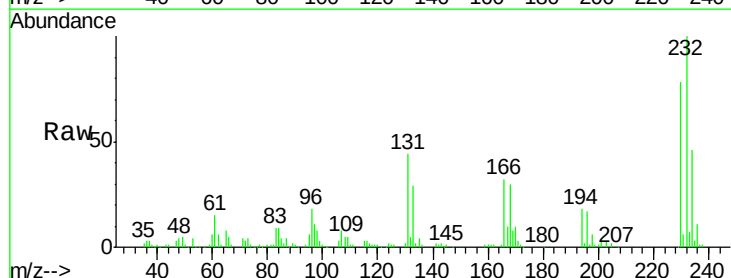
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:166 Resp: 430395  
 Ion Ratio Lower Upper  
 166 100  
 165 98.4 78.5 117.7  
 167 13.7 11.0 16.6

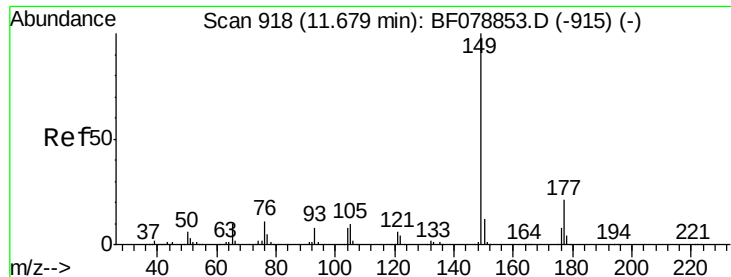


#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 41.81 ng  
 RT: 11.52 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion:232 Resp: 103717  
 Ion Ratio Lower Upper  
 232 100  
 131 49.3 0.0 0.0#  
 130 2.3 0.0 0.0#  
 166 33.7 0.0 0.0#



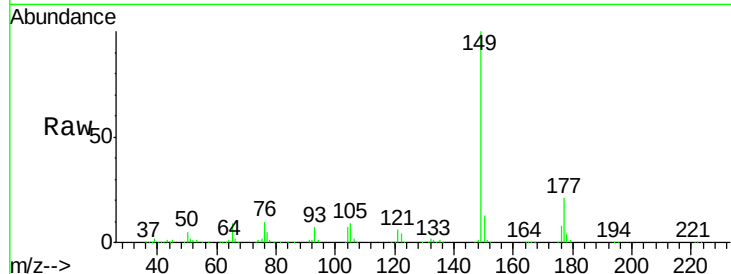




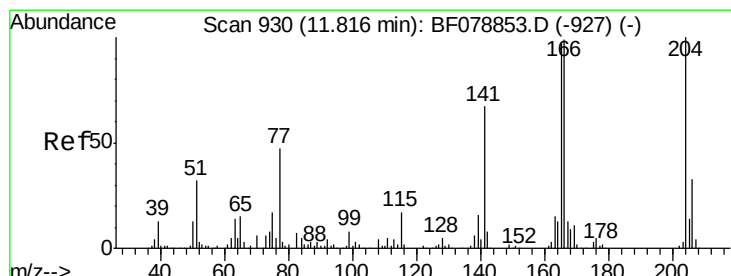
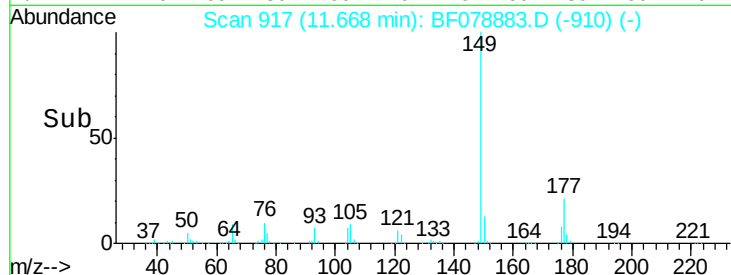
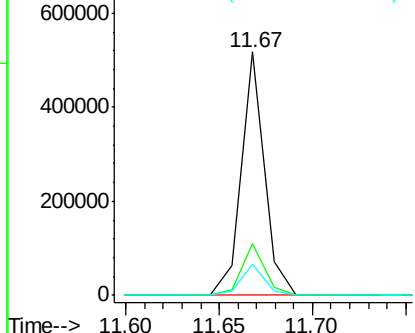
#59  
Diethylphthalate  
Concen: 39.71 ng  
RT: 11.67 min Scan# 917  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 447752  
Ion Ratio Lower Upper  
149 100  
177 21.3 17.5 26.3  
150 12.7 9.6 14.4

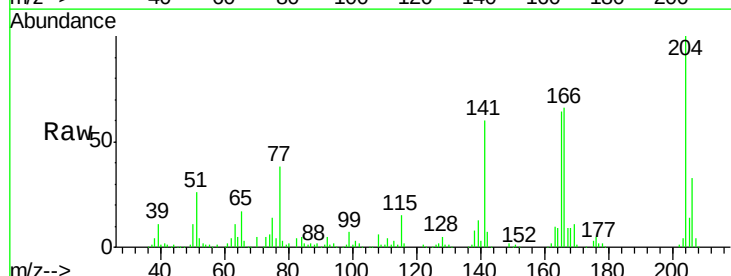


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

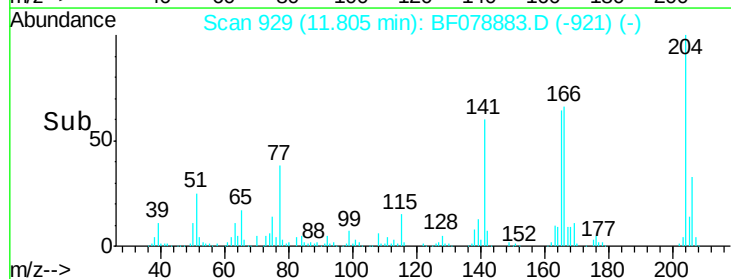
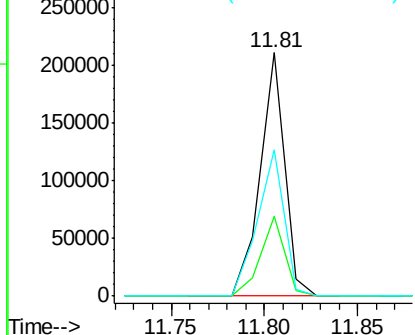


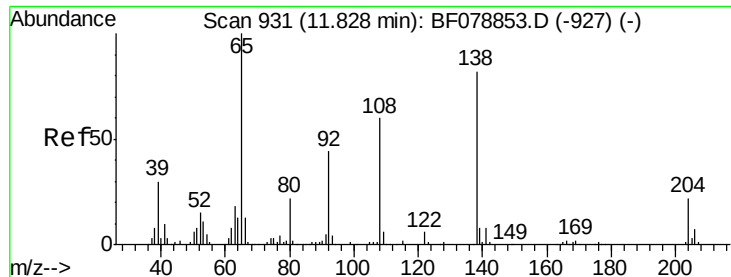
#60  
4-Chlorophenyl-phenylether  
Concen: 38.55 ng  
RT: 11.81 min Scan# 929  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion:204 Resp: 190881  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.9 40.3  
141 59.9 48.3 72.5



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

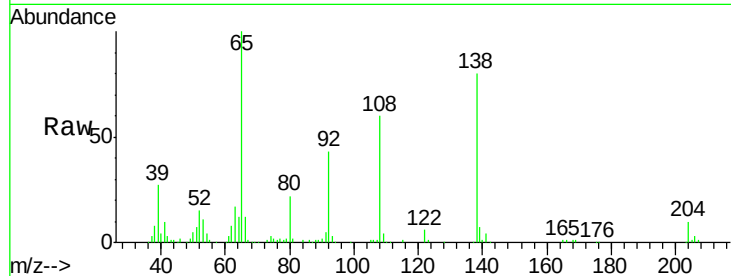




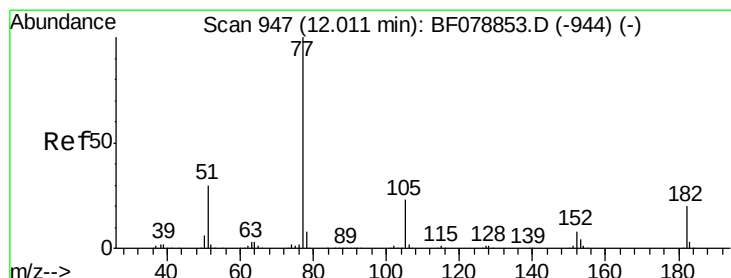
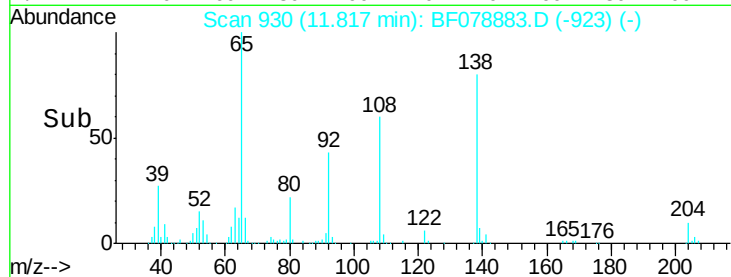
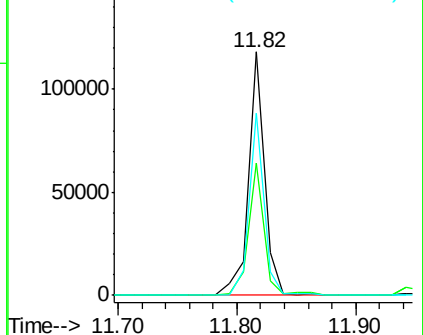
#61  
4-Nitroaniline  
Concen: 40.08 ng  
RT: 11.82 min Scan# 930  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 112506  
Ion Ratio Lower Upper  
138 100  
92 54.2 28.0 68.0  
108 74.7 56.3 96.3

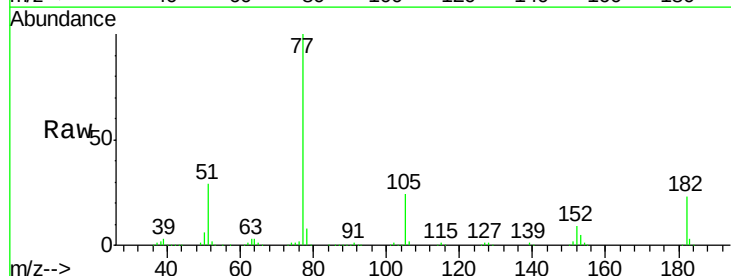


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

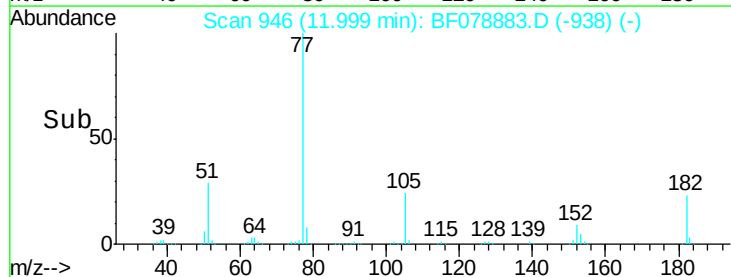
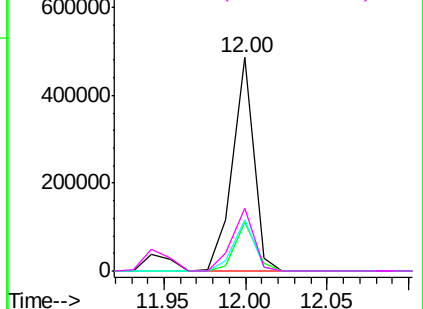


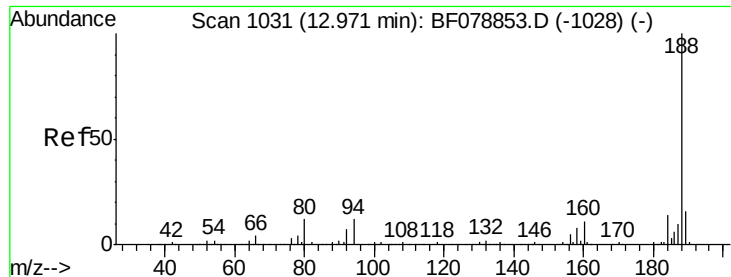
#62  
Azobenzene  
Concen: 39.26 ng  
RT: 12.00 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion: 77 Resp: 436206  
Ion Ratio Lower Upper  
77 100  
182 22.8 3.8 43.8  
105 24.1 3.9 43.9  
51 29.3 10.8 50.8



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF0

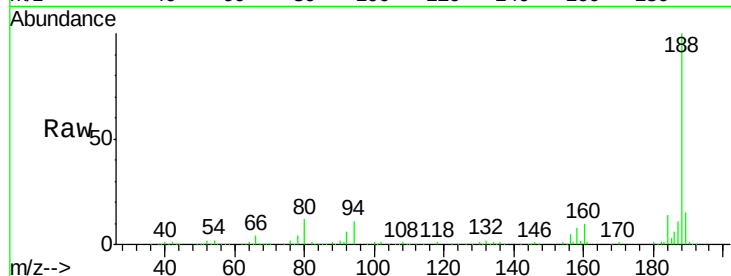




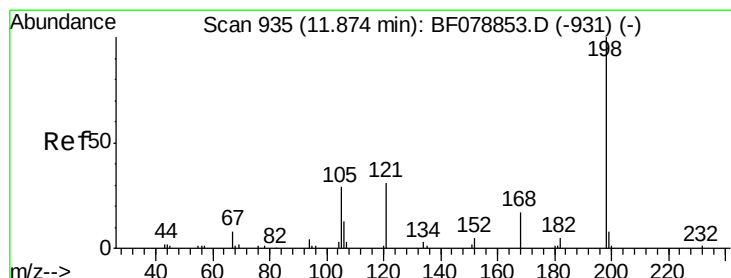
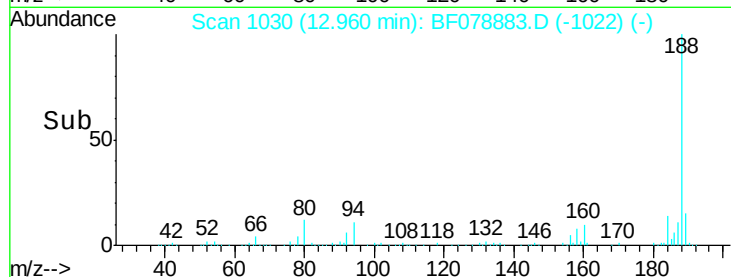
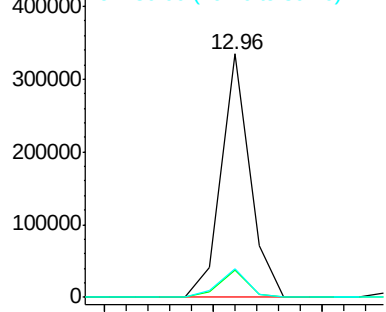
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.96 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 306740  
Ion Ratio Lower Upper  
188 100  
94 11.1 8.2 12.2  
80 11.7 8.9 13.3

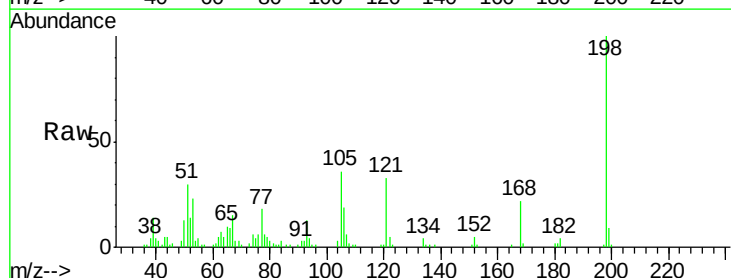


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

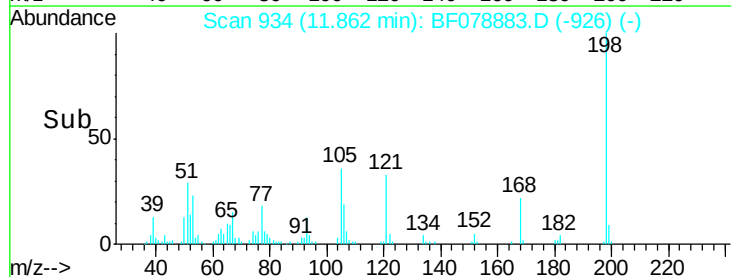
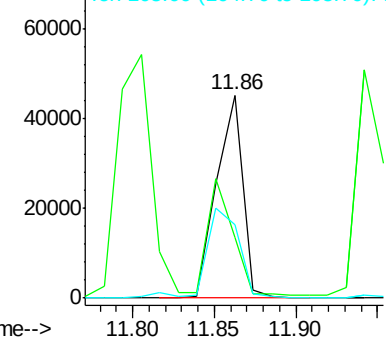


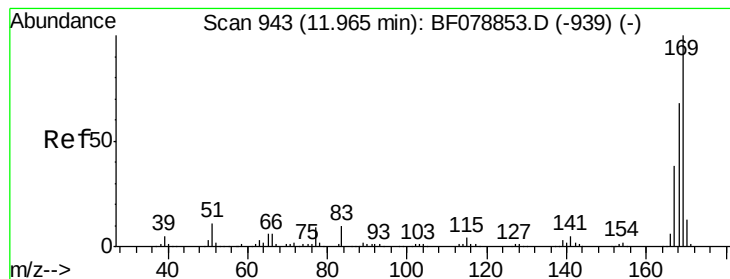
#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.49 ng  
RT: 11.86 min Scan# 934  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion:198 Resp: 50115  
Ion Ratio Lower Upper  
198 100  
51 30.1 47.3 87.3#  
105 36.0 38.8 78.8#



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 105.00 (104.70 to 105.70): E

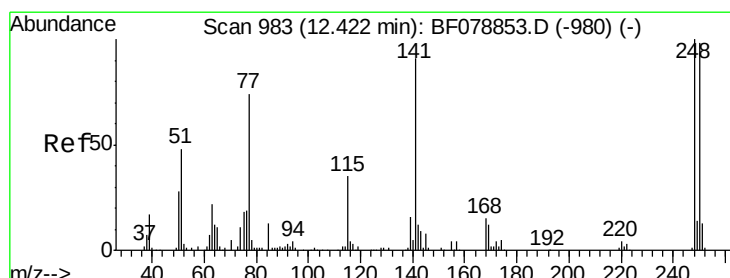
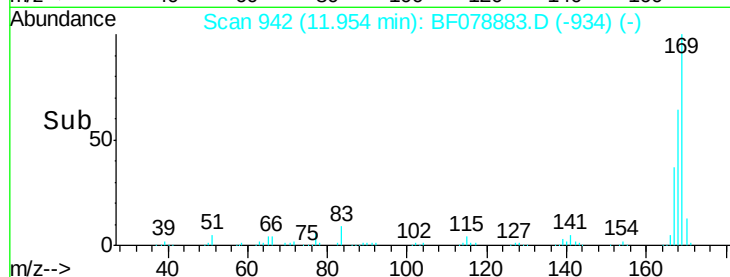
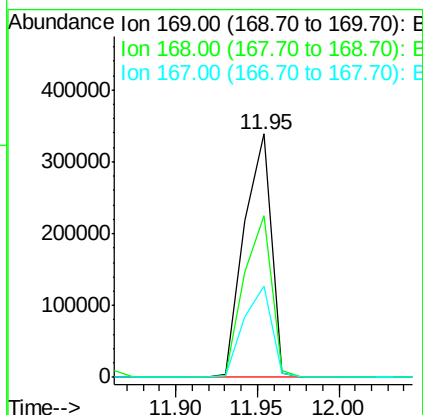
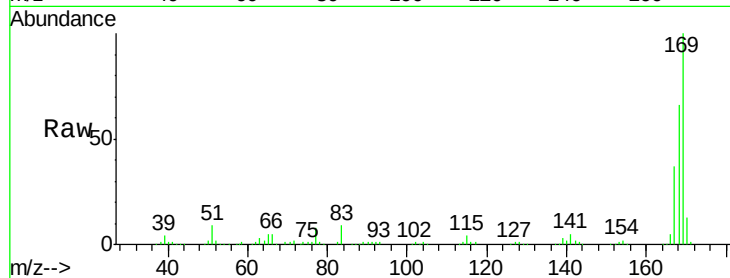




#65  
 n-Nitrosodiphenylamine  
 Concen: 38.15 ng  
 RT: 11.95 min Scan# 942  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

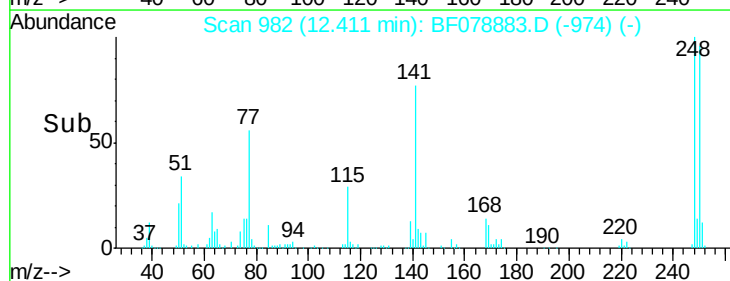
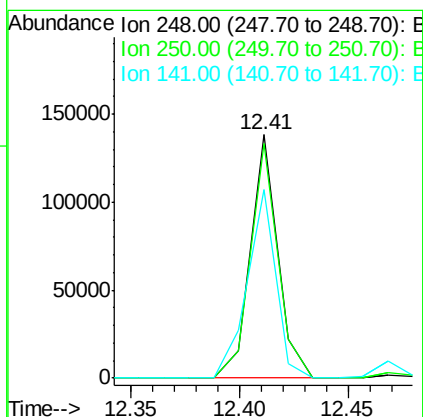
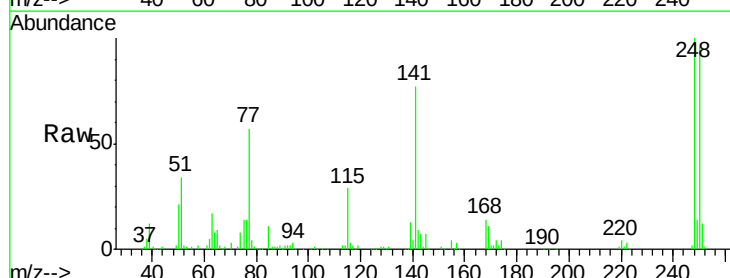
Instrument :  
 BNA\_F  
 ClientSampled :

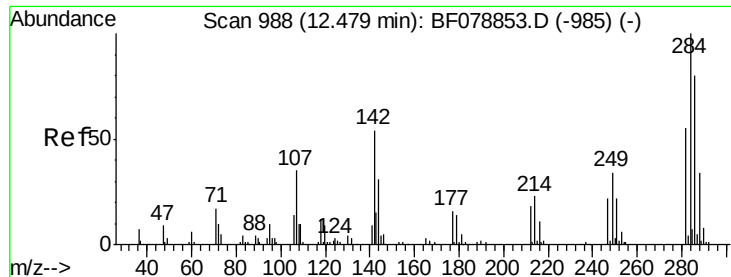
Tot Ion:169 Resp: 389748  
 Ion Ratio Lower Upper  
 169 100  
 168 66.3 54.6 82.0  
 167 37.3 30.6 45.8



#66  
 4-Bromophenyl-phenylether  
 Concen: 37.79 ng  
 RT: 12.41 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion:248 Resp: 120834  
 Ion Ratio Lower Upper  
 248 100  
 250 96.5 77.1 115.7  
 141 77.2 58.8 88.2

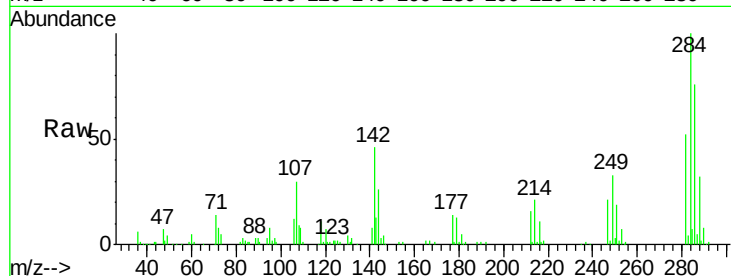




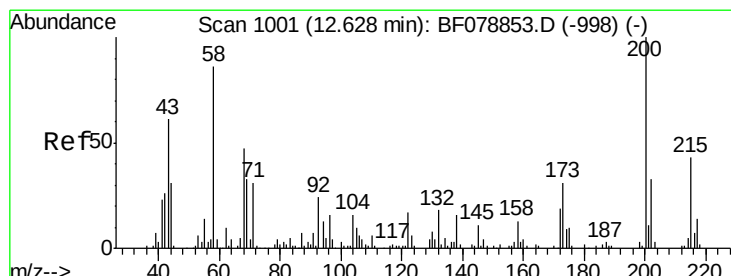
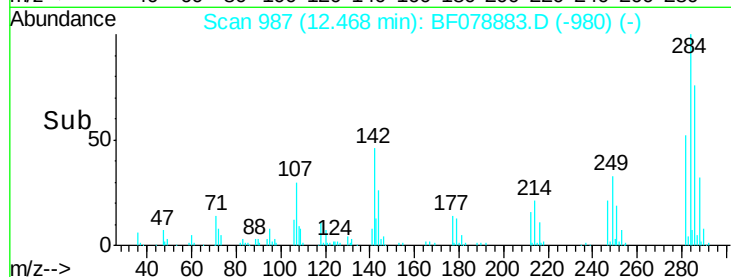
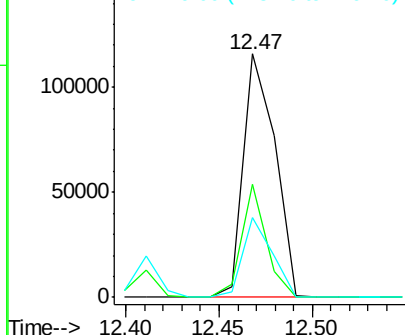
#67  
Hexachlorobenzene  
Concen: 37.29 ng  
RT: 12.47 min Scan# 987  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 46.5  | 35.2  | 52.8  |
| 249     | 32.6  | 25.4  | 38.2  |

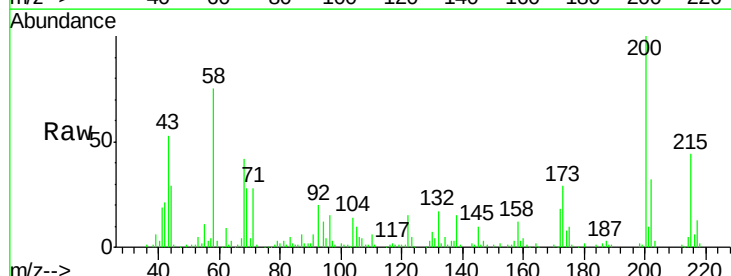


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

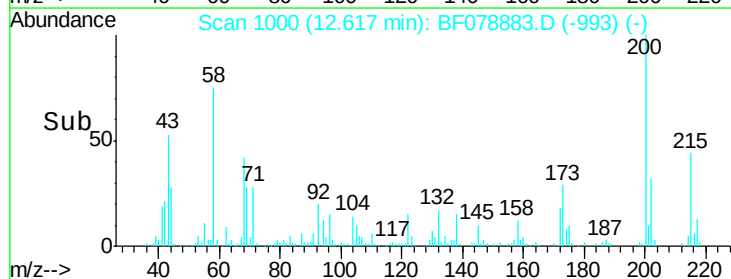
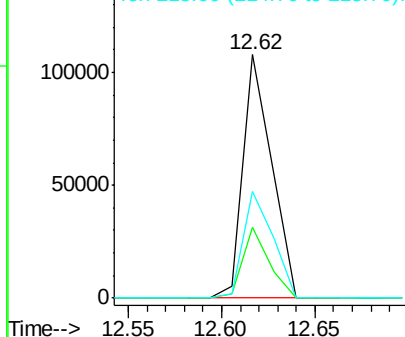


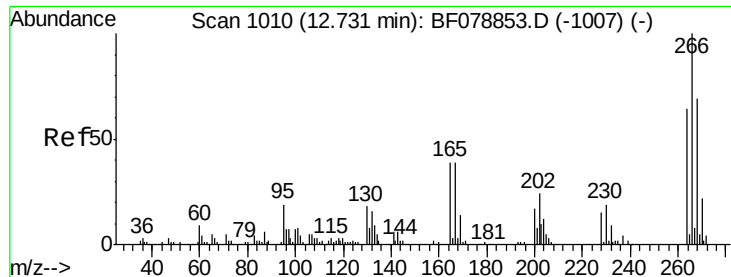
#68  
Atrazine  
Concen: 38.70 ng  
RT: 12.62 min Scan# 1000  
Delta R.T. -0.02 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 29.0  | 8.1   | 48.1  |
| 215     | 43.7  | 22.9  | 62.9  |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

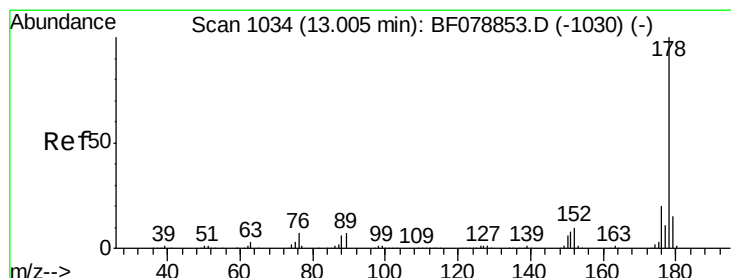
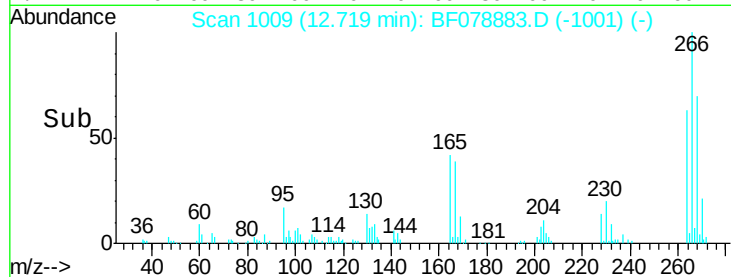
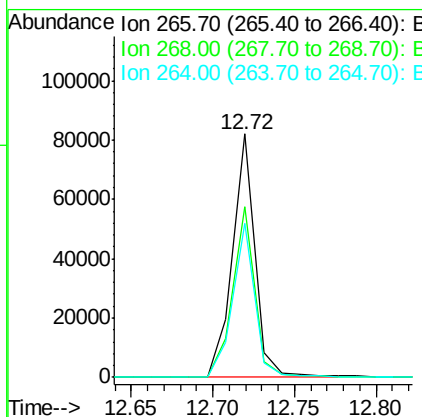
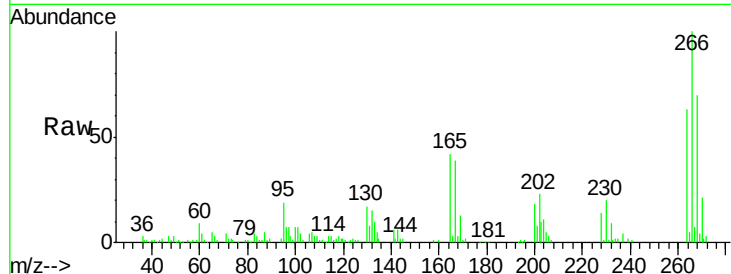




#69  
 Pentachlorophenol  
 Concen: 40.02 ng  
 RT: 12.72 min Scan# 1009  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

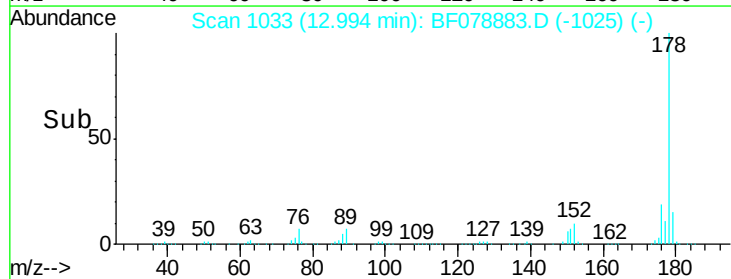
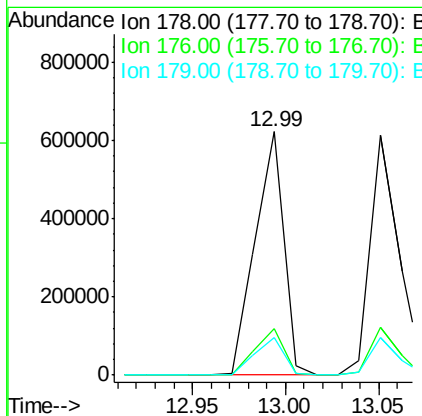
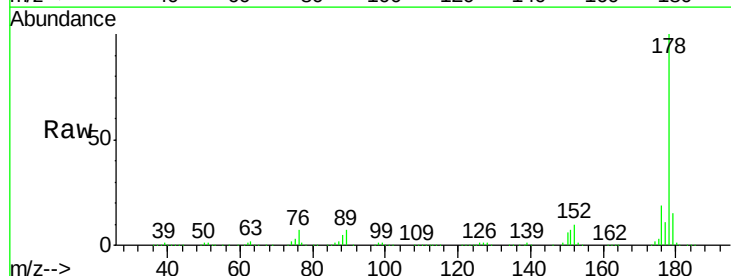
Instrument :  
 BNA\_F  
 ClientSampleId :

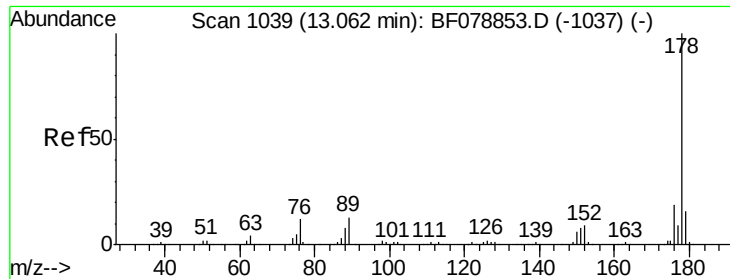
Tot Ion:266 Resp: 77572  
 Ion Ratio Lower Upper  
 266 100  
 268 70.0 55.0 82.6  
 264 63.2 48.2 72.2



#70  
 Phenanthrene  
 Concen: 38.43 ng  
 RT: 12.99 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion:178 Resp: 659501  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.8 23.8  
 179 15.4 12.5 18.7

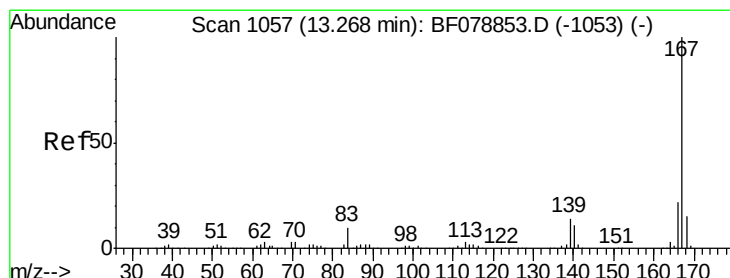
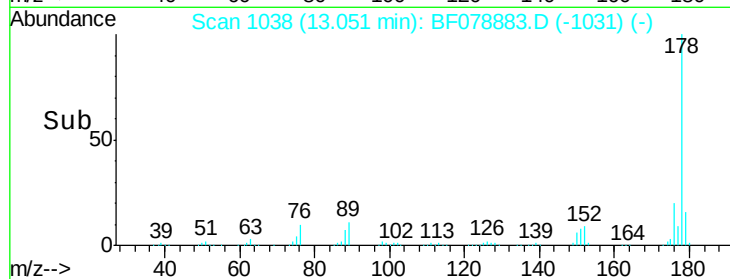
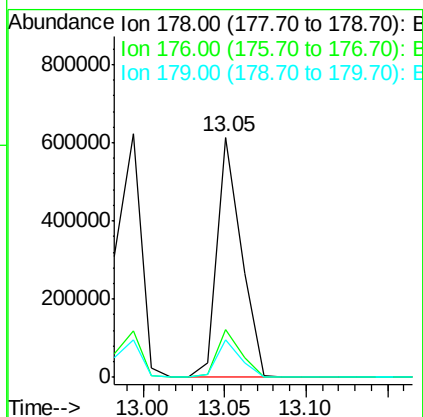
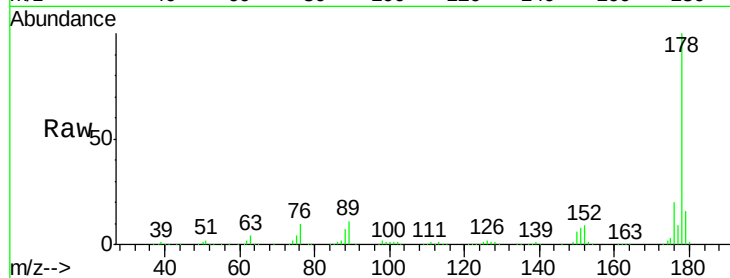




#71  
 Anthracene  
 Concen: 37.70 ng  
 RT: 13.05 min Scan# 1038  
 Delta R.T. -0.02 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

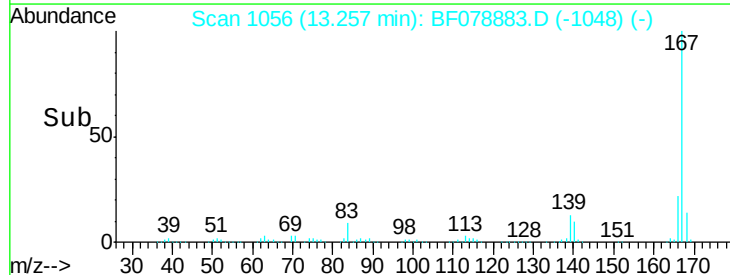
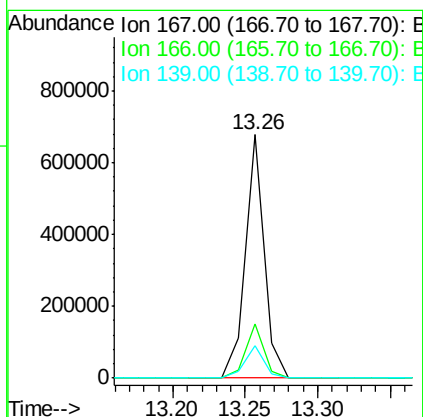
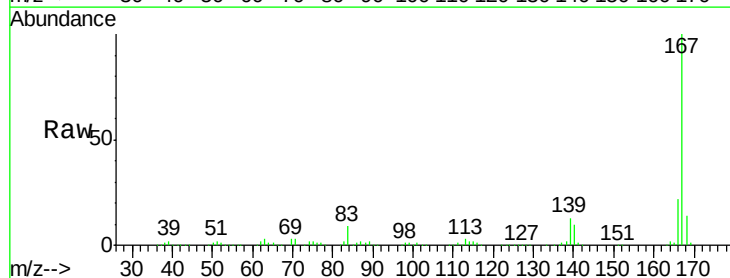
Instrument :  
 BNA\_F  
 ClientSampleId :

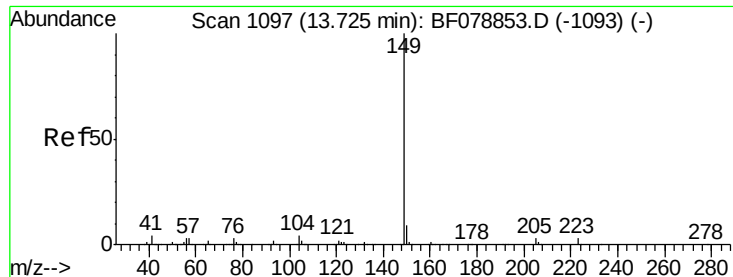
Tot Ion:178 Resp: 634712  
 Ion Ratio Lower Upper  
 178 100  
 176 19.7 15.5 23.3  
 179 15.6 12.7 19.1



#72  
 Carbazole  
 Concen: 38.00 ng  
 RT: 13.26 min Scan# 1056  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion:167 Resp: 609793  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 17.8 26.8  
 139 13.5 10.6 16.0





#73

Di-n-butylphthalate

Concen: 40.14 ng

RT: 13.70 min Scan# 1095

Delta R.T. -0.02 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

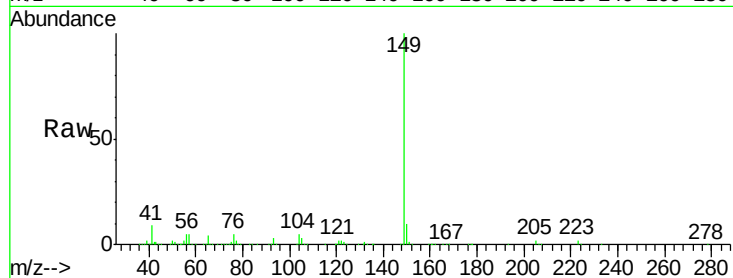
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:149 Resp: 772406

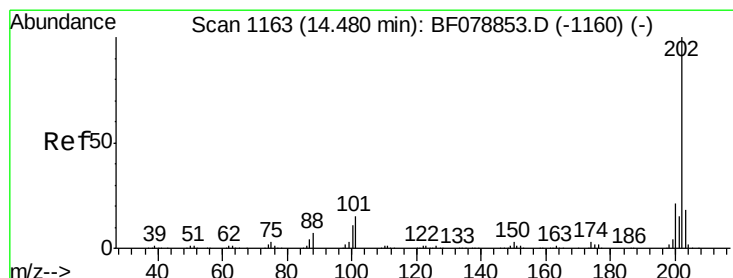
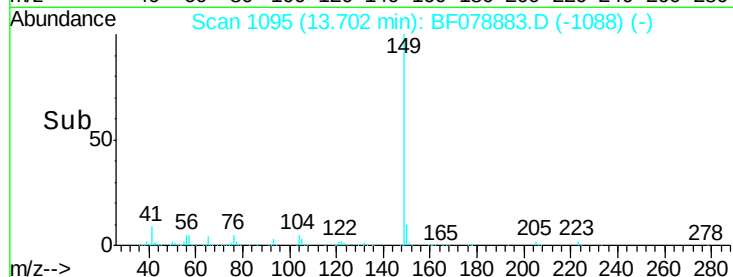
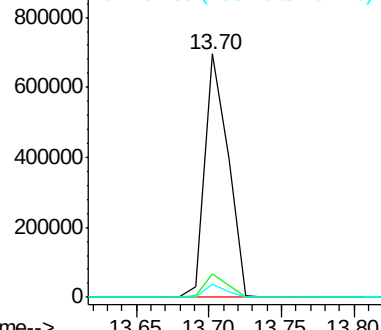
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.6   | 7.7   | 11.5  |
| 104 | 5.4   | 4.6   | 7.0   |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 39.19 ng

RT: 14.47 min Scan# 1162

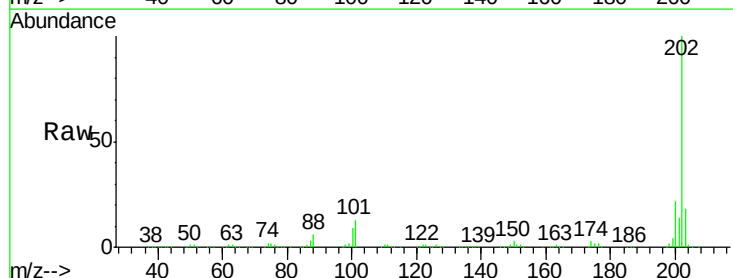
Delta R.T. -0.02 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Tgt Ion:202 Resp: 700827

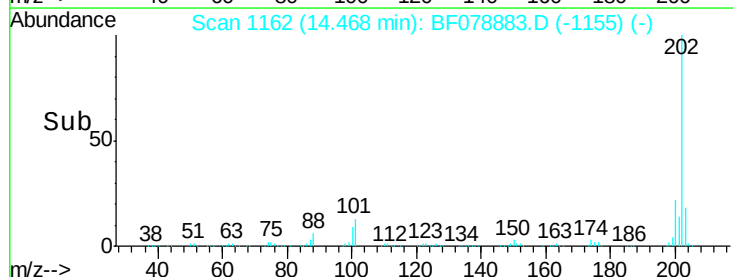
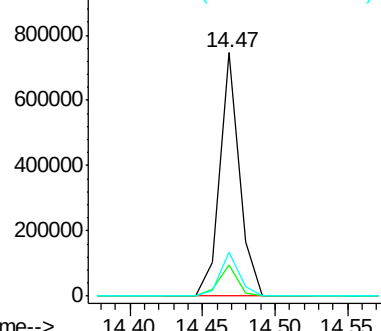
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 12.8  | 0.0   | 34.6  |
| 203 | 17.9  | 0.0   | 38.4  |



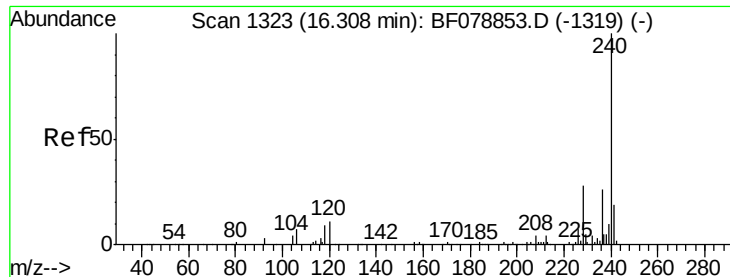
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E







#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.29 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Instrument :

BNA\_F

ClientSampleId :

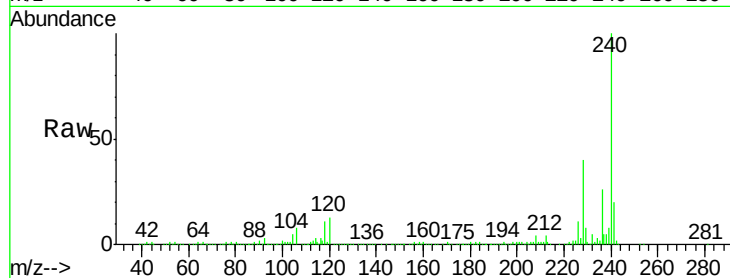
Tot Ion:240 Resp: 335186

Ion Ratio Lower Upper

240 100

120 12.7 9.7 14.5

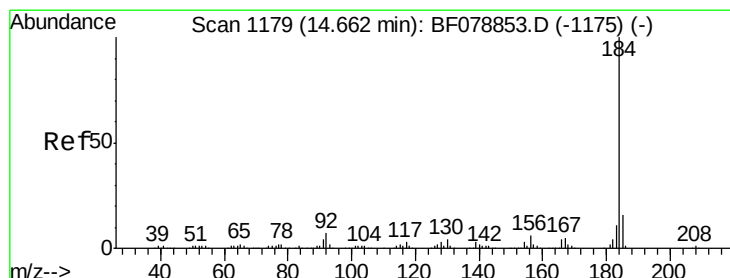
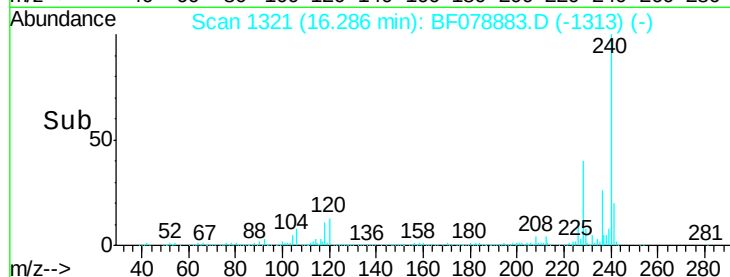
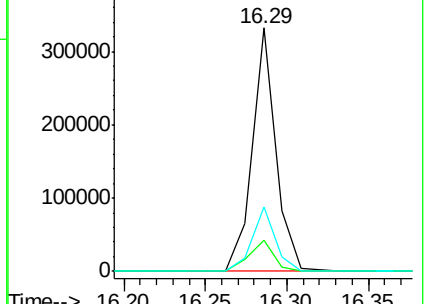
236 26.3 20.2 30.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 35.68 ng

RT: 14.65 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

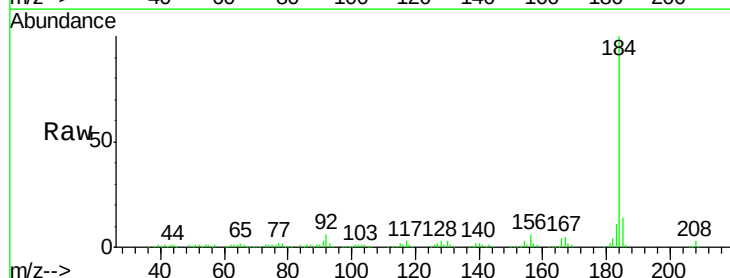
Tgt Ion:184 Resp: 322294

Ion Ratio Lower Upper

184 100

185 13.9 12.3 18.5

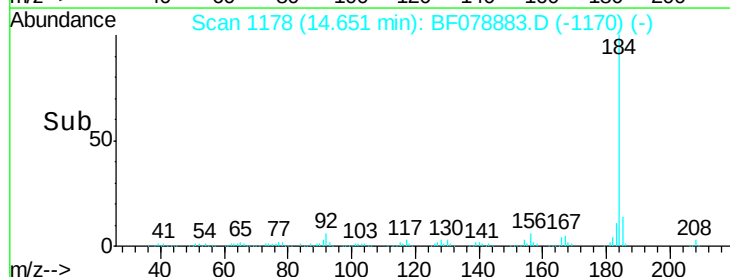
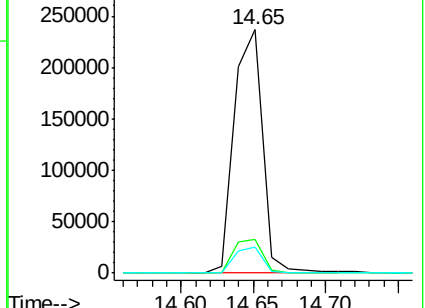
183 10.8 8.4 12.6

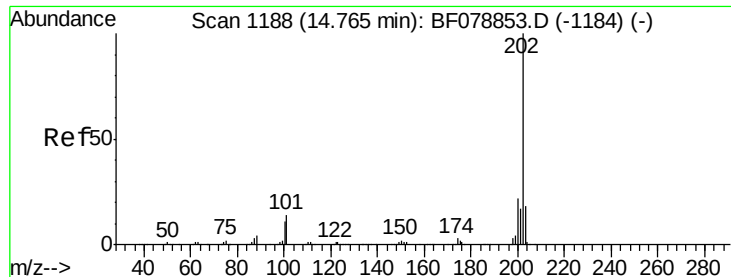


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 38.64 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

Instrument :

BNA\_F

ClientSampleId :

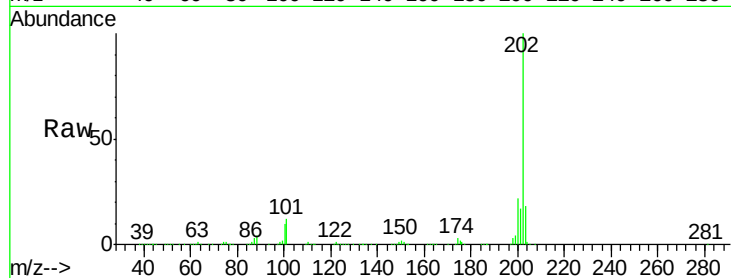
Tot Ion:202 Resp: 746272

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

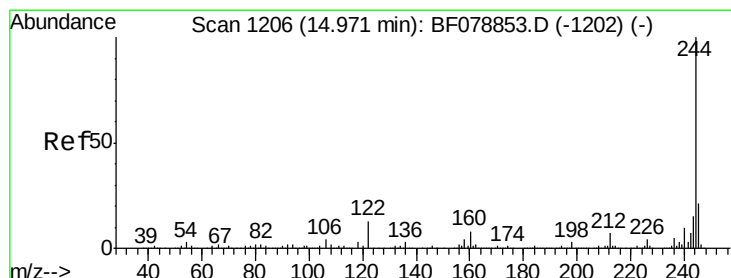
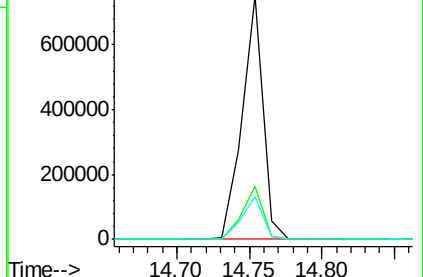
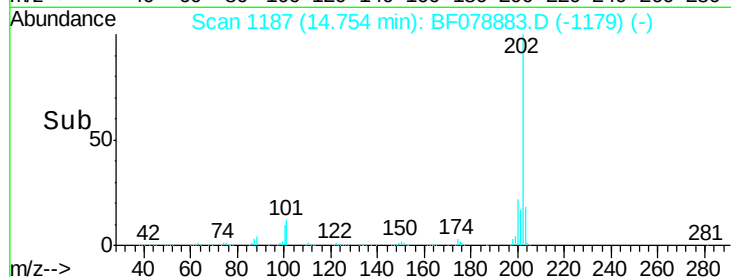
203 17.8 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 75.88 ng

RT: 14.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BF078883.D

Acq: 1 May 2015 10:24

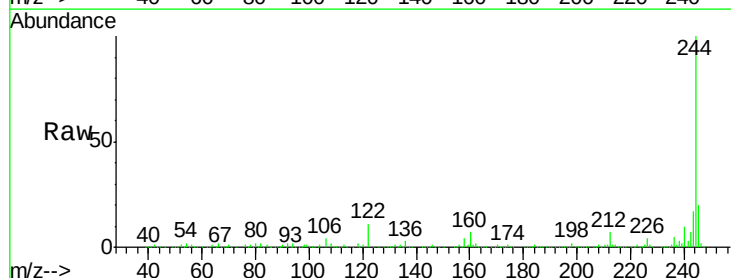
Tgt Ion:244 Resp: 1062383

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

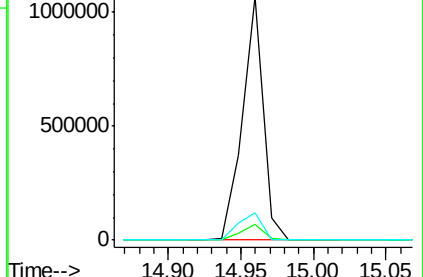
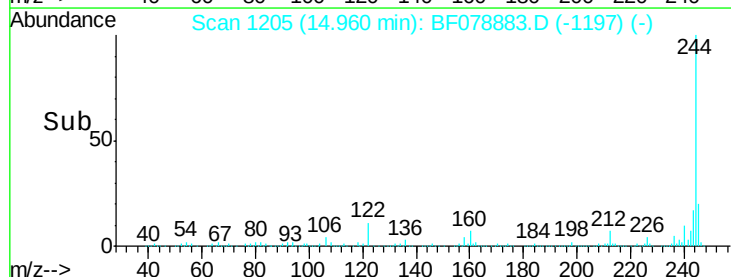
122 11.3 10.3 15.5

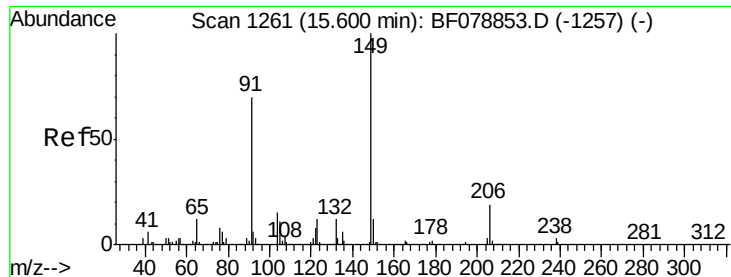


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

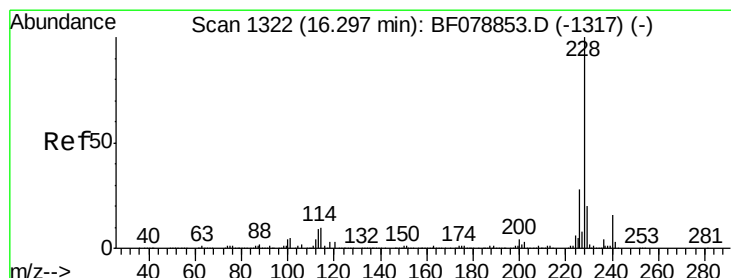
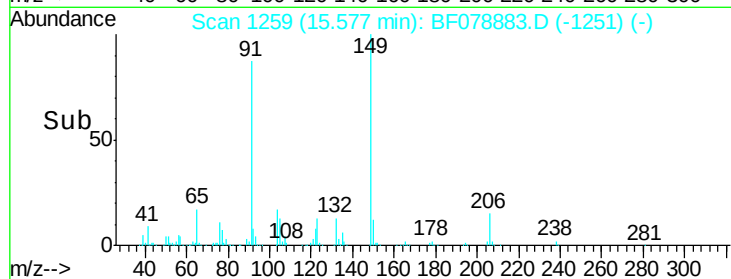
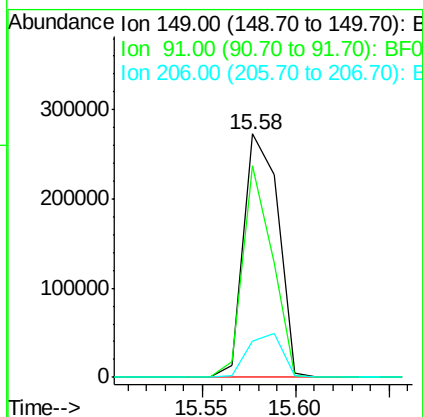
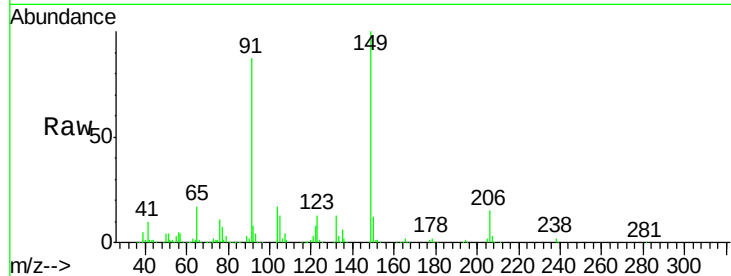




#79  
Butylbenzylphthalate  
Concen: 42.14 ng  
RT: 15.58 min Scan# 1259  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

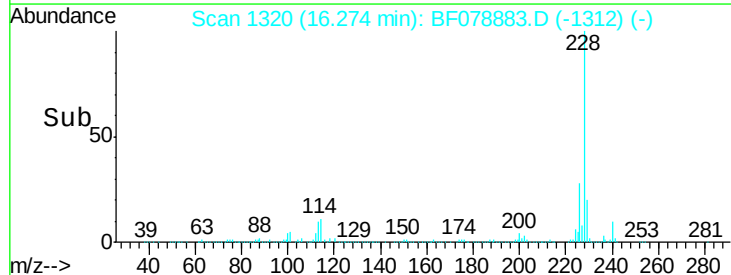
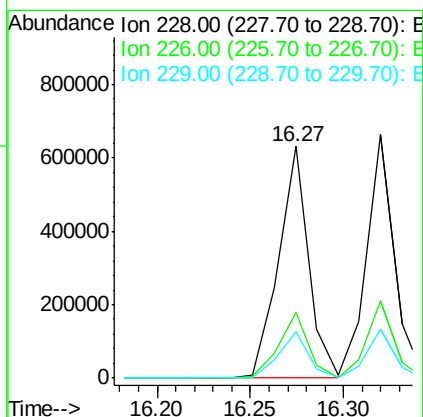
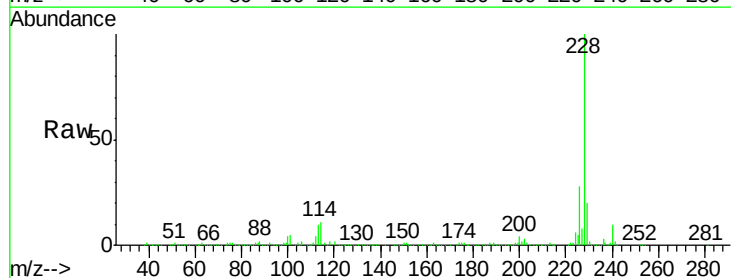
Instrument :  
BNA\_F  
ClientSampleId :

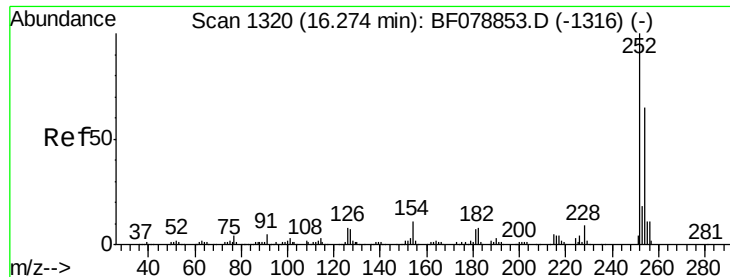
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 86.8  | 64.6  | 97.0  |
| 206     | 14.9  | 12.2  | 18.4  |



#80  
Benzo(a)anthracene  
Concen: 38.44 ng  
RT: 16.27 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 22.6  | 33.8  |
| 229     | 20.0  | 15.9  | 23.9  |

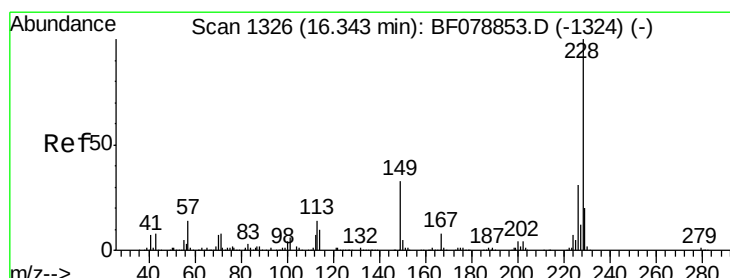
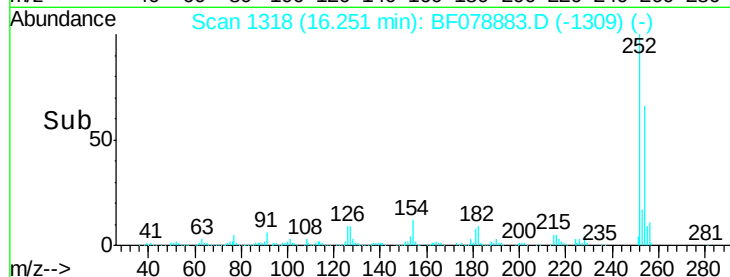
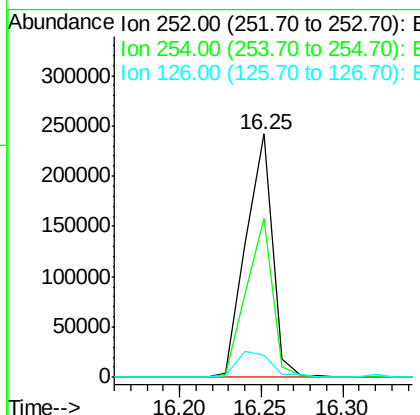
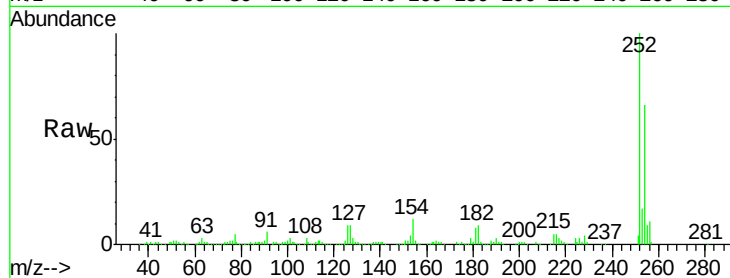




#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.01 ng  
 RT: 16.25 min Scan# 1318  
 Delta R.T. -0.00 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

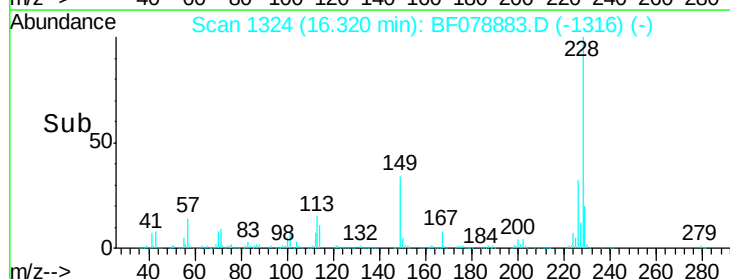
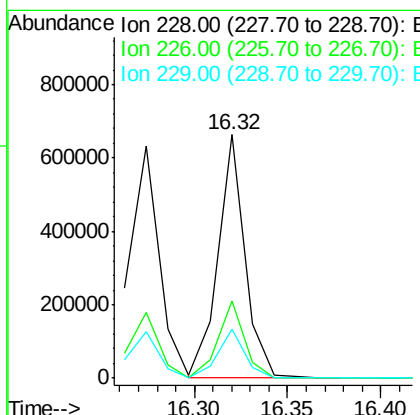
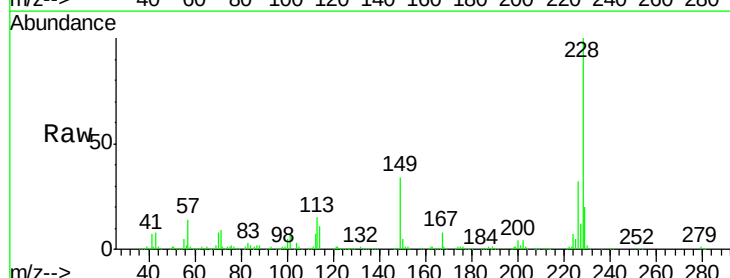
Instrument :  
 BNA\_F  
 ClientSampleId :

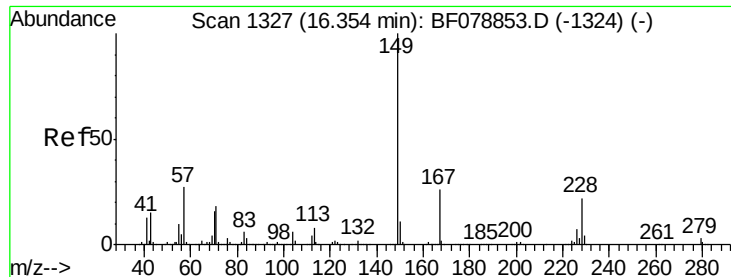
Tot Ion:252 Resp: 274663  
 Ion Ratio Lower Upper  
 252 100  
 254 65.5 51.3 76.9  
 126 8.9 6.6 10.0



#82  
 Chrysene  
 Concen: 37.72 ng  
 RT: 16.32 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion:228 Resp: 665907  
 Ion Ratio Lower Upper  
 228 100  
 226 31.5 24.9 37.3  
 229 20.1 16.0 24.0

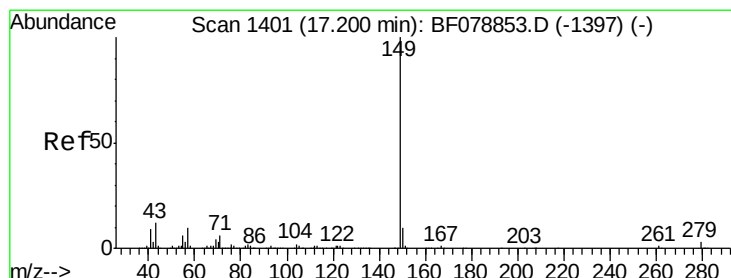
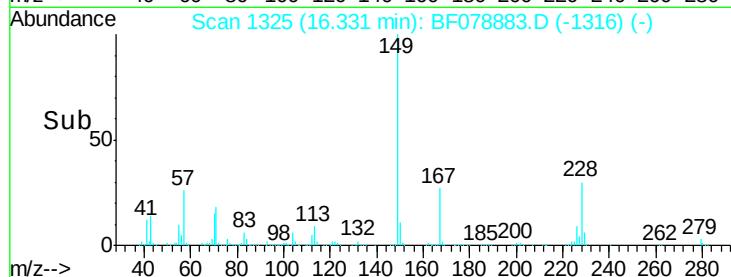
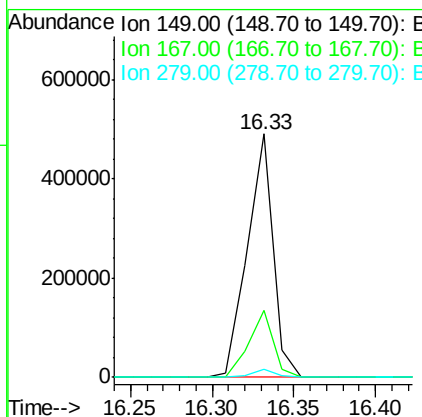
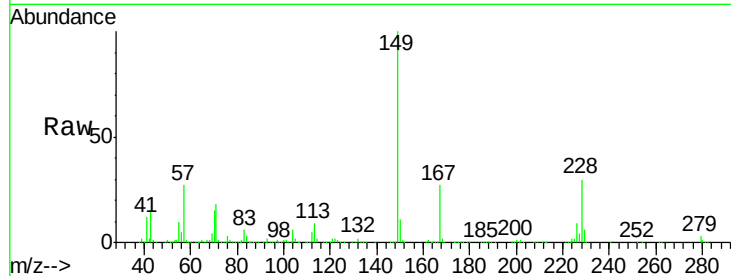




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.67 ng  
 RT: 16.33 min Scan# 1325  
 Delta R.T. -0.00 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

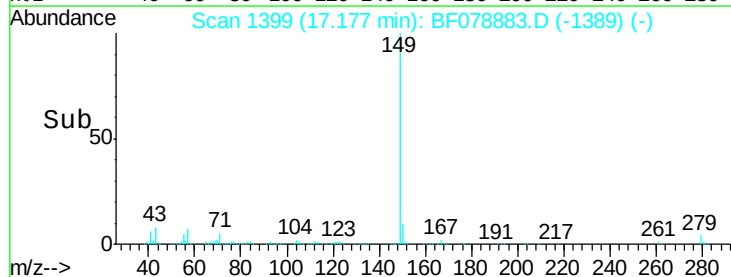
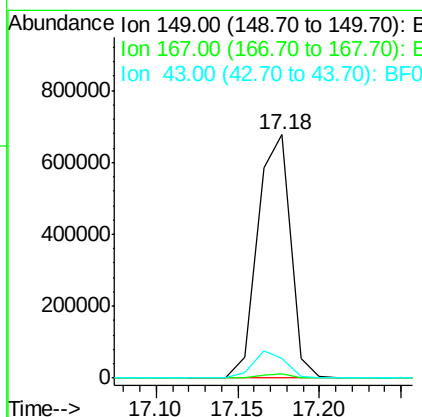
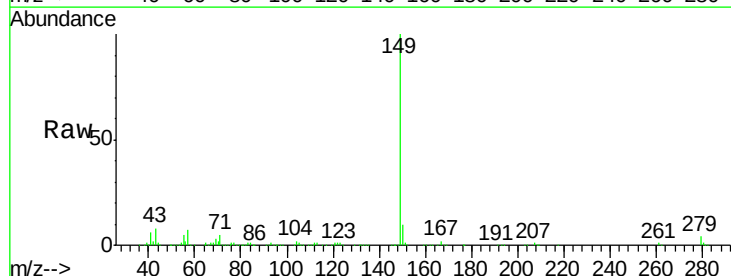
Instrument :  
 BNA\_F  
 ClientSampleId :

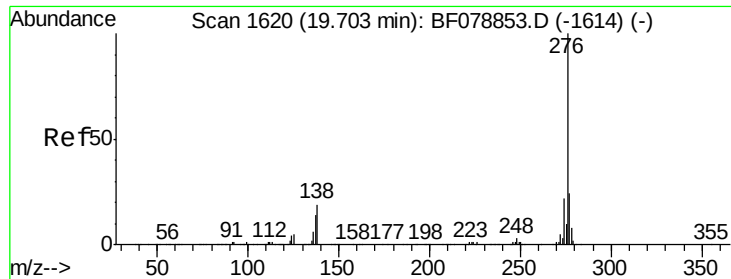
Tot Ion:149 Resp: 532851  
 Ion Ratio Lower Upper  
 149 100  
 167 27.4 21.8 32.8  
 279 3.4 2.9 4.3



#84  
 Di-n-octyl phthalate  
 Concen: 42.10 ng  
 RT: 17.18 min Scan# 1399  
 Delta R.T. 0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Tgt Ion:149 Resp: 948155  
 Ion Ratio Lower Upper  
 149 100  
 167 1.4 0.0 0.0#  
 43 10.5 0.0 0.0#

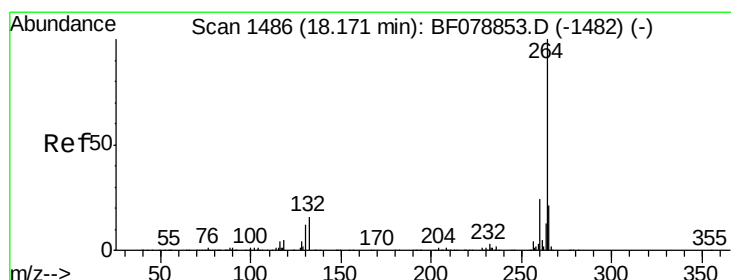
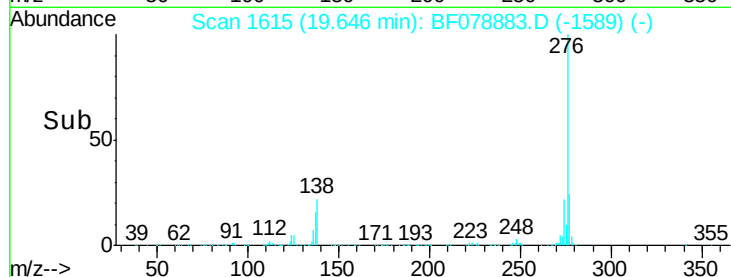
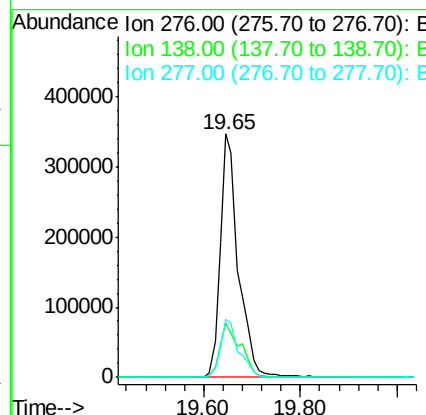
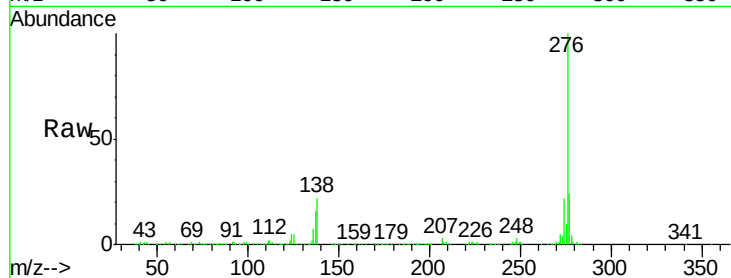




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.48 ng  
 RT: 19.65 min Scan# 1615  
 Delta R.T. -0.00 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

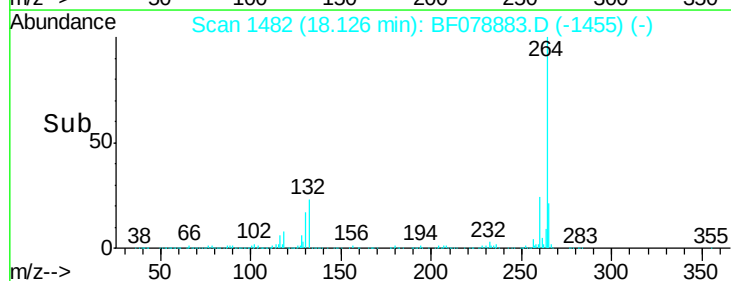
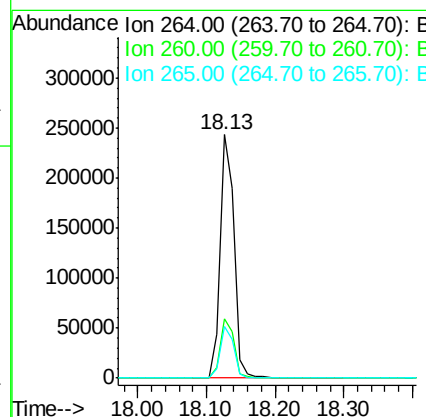
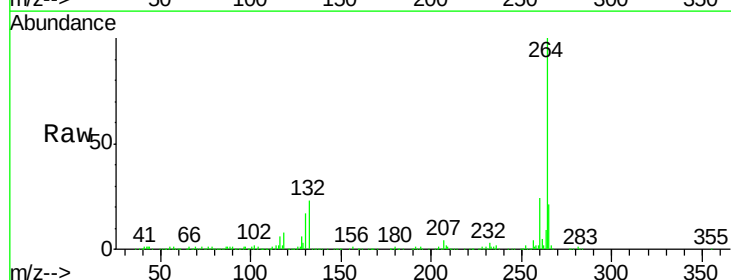
Instrument :  
 BNA\_F  
 ClientSampleId :

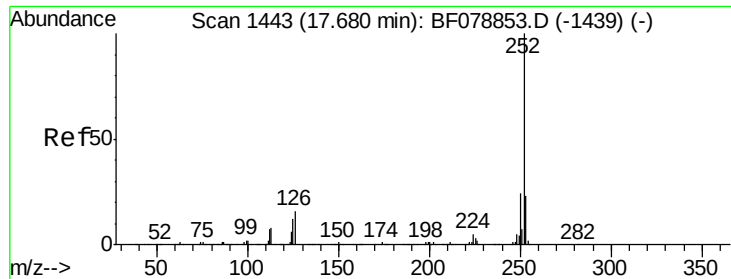
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.1  | 0.0   | 0.0#  |
| 277     | 24.7  | 0.0   | 0.0#  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.13 min Scan# 1482  
 Delta R.T. 0.01 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.4  | 29.2  |
| 265     | 21.4  | 18.3  | 27.5  |

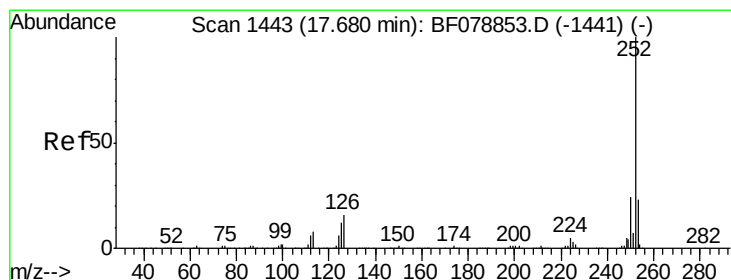
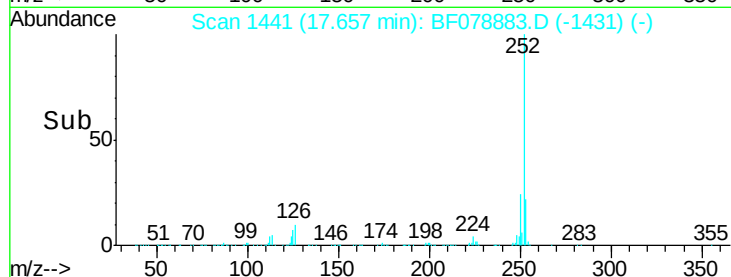
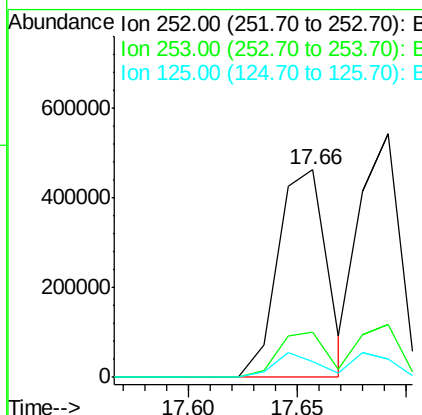
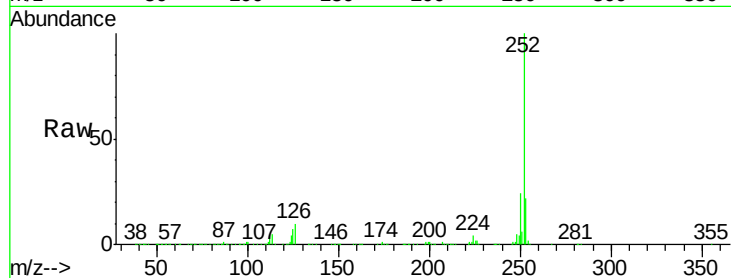




#87  
Benzo(b)fluoranthene  
Concen: 37.85 ng  
RT: 17.66 min Scan# 1441  
Delta R.T. 0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

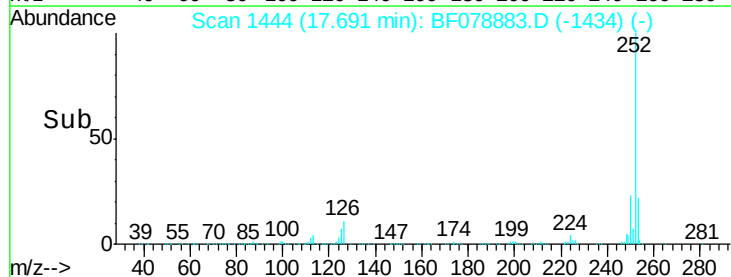
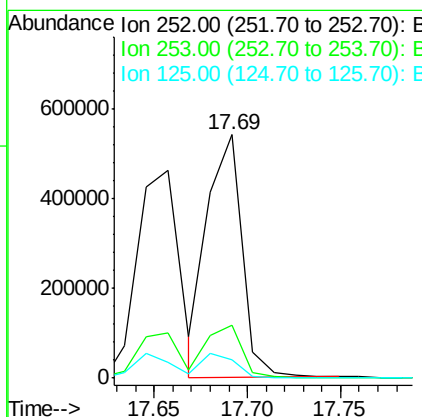
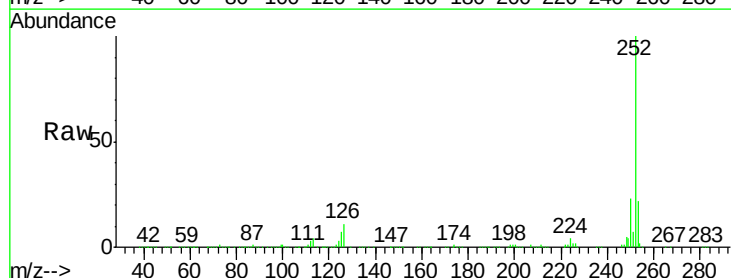
Instrument :  
BNA\_F  
ClientSampleId :

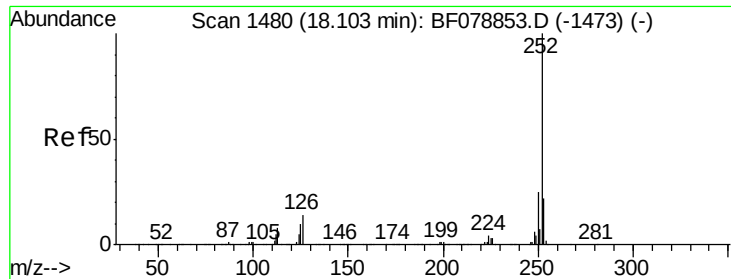
Tot Ion:252 Resp: 722010  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.7 26.5  
125 7.3 9.5 14.3#



#88  
Benzo(k)fluoranthene  
Concen: 38.21 ng  
RT: 17.69 min Scan# 1444  
Delta R.T. 0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion:252 Resp: 705589  
Ion Ratio Lower Upper  
252 100  
253 22.0 18.1 27.1  
125 7.4 10.0 15.0#

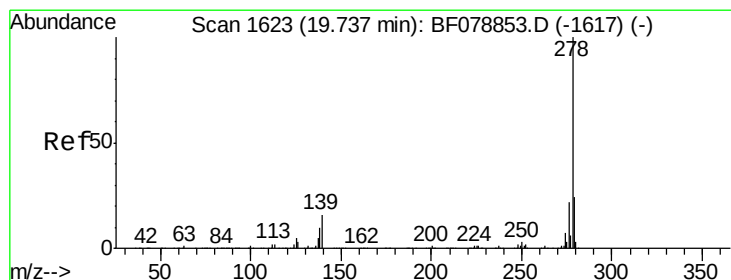
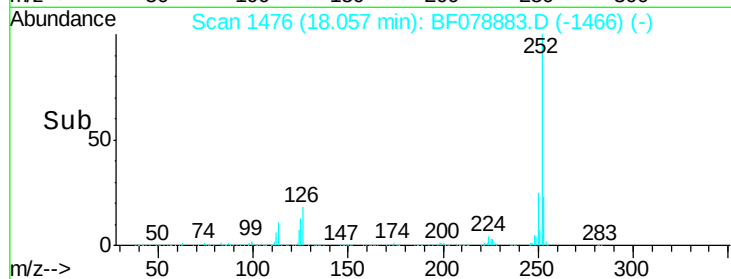
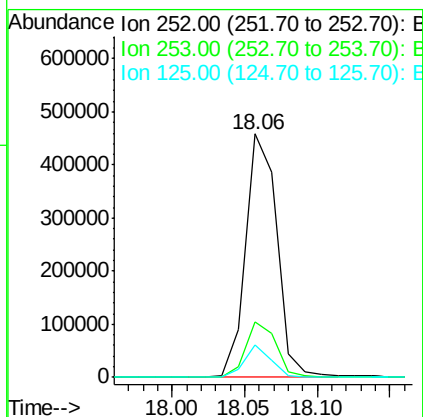
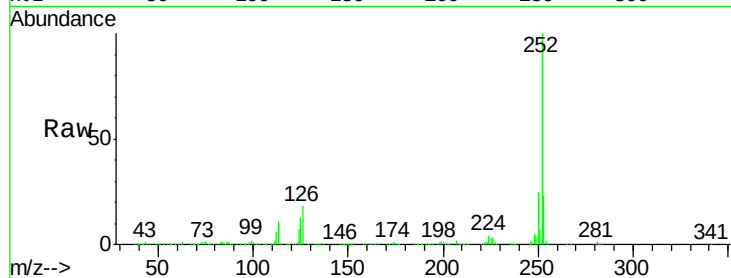




#89  
Benzo(a)pyrene  
Concen: 38.95 ng  
RT: 18.06 min Scan# 1476  
Delta R.T. 0.01 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

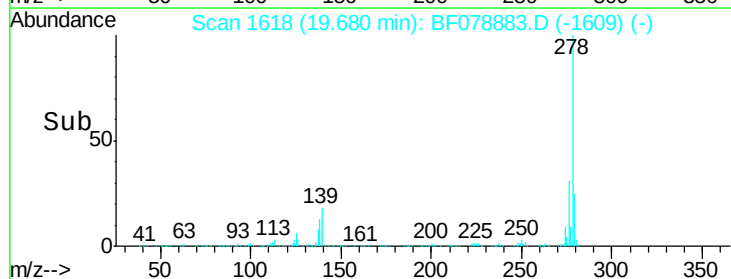
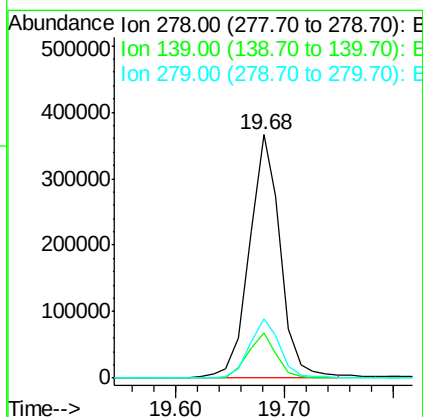
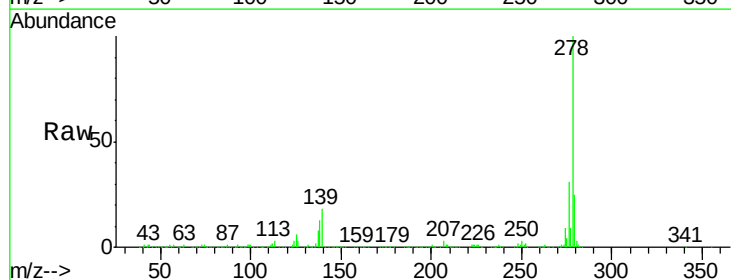
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 684146  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.3 25.9  
125 13.3 7.0 10.6#

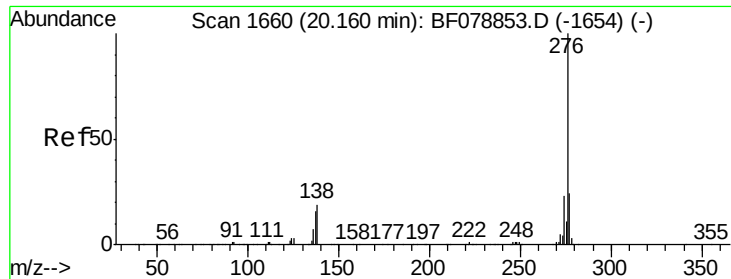


#90  
Dibenzo(a,h)anthracene  
Concen: 38.78 ng  
RT: 19.68 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: BF078883.D  
Acq: 1 May 2015 10:24

Tgt Ion:278 Resp: 723834  
Ion Ratio Lower Upper  
278 100  
139 18.3 12.8 19.2  
279 24.6 19.6 29.4



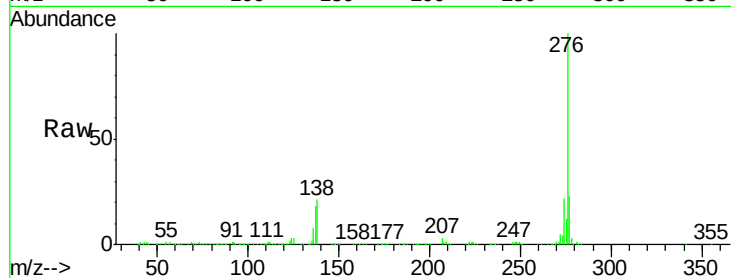




#91  
 Benzo(a,h,i)perylene  
 Concen: 39.13 ng  
 RT: 20.10 min Scan# 1655  
 Delta R.T. -0.00 min  
 Lab File: BF078883.D  
 Acq: 1 May 2015 10:24

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 18.6  | 28.0  |
| 138     | 20.9  | 17.4  | 26.0  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

